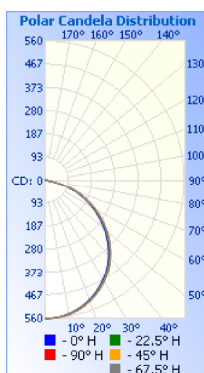


EL ELCO Lighting

Filename: IES_EL61230
Manufacturer: ELCO Lighting
Lamp: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 1413.4
Max Candela: 558.6 at Horizontal: 90°, Vertical: 1.5°
Input Wattage: 19.7
Luminous Opening: Rectangle (L: 23.62", W: 23.62")
Test: Manny
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0.1
Max Cd, 80 to <90 Deg:	25.1
Lumens % Lamp	
Downward Street Side:	713.4 50.5%
Downward House Side:	697.8 49.4%
Downward Total:	1,411.2 99.8%
Upward Street Side:	1.4 0.1%
Upward House Side:	0.8 0.1%
Upward Total:	2.2 0.2%
Total Lumens:	1,413.4 100%

Flood Summary

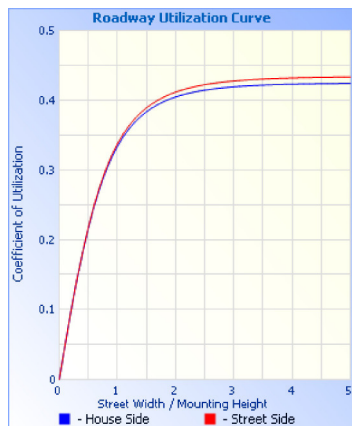
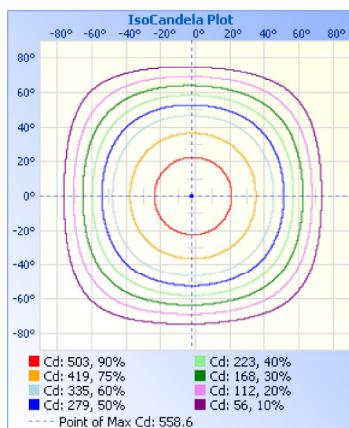
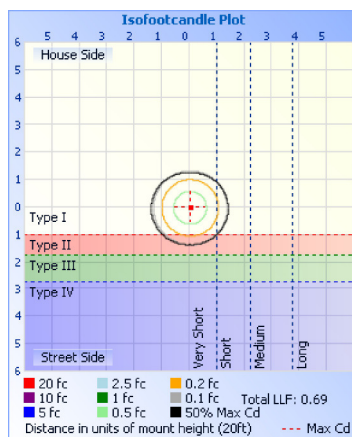
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	1,387.8	149.4	149.6
Beam (50%):	73.1%	1,033.4	105.5	105.3
Total:	100%	1,412.9		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	428.3	30.3%	30.3%
0-40	696.4	49.3%	49.3%
0-60	1,195.1	84.6%	84.6%
60-90	216.2	15.3%	15.3%
70-100	63.0	4.5%	4.5%
90-120	0.4	0%	0%
0-90	1,411.2	99.8%	99.8%
90-180	2.2	0.2%	0.2%
0-180	1,413.5	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	52.7	3.7%	90-100	0.1	0%
10-20	150.2	10.6%	100-110	0.1	0%
20-30	225.4	15.9%	110-120	0.2	0%
30-40	268.1	19.0%	120-130	0.3	0%
40-50	269.5	19.1%	130-140	0.4	0%
50-60	229.2	16.2%	140-150	0.4	0%
60-70	153.2	10.8%	150-160	0.3	0%
70-80	57.9	4.1%	160-170	0.2	0%
80-90	5.0	0.4%	170-180	0.1	0%



Illuminance at a Distance		
Center Beam fc	Beam Width	
3.3R	51.2 fc	8.6 ft 8.7 ft
6.7R	12.4 fc	17.6 ft 17.6 ft
10.0R	5.58 fc	26.2 ft 26.3 ft
13.3R	3.15 fc	34.9 ft 35.0 ft
16.7R	2.00 fc	43.8 ft 44.0 ft
20.0R	1.39 fc	52.4 ft 52.6 ft

■ Vert. Spread: 105.3°
 ■ Horiz. Spread: 105.5°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	20	50	30	0	20	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00
1	1.10	1.06	1.02	.98	1.07	1.03	1.00	.87	.99	.96	.94		.95	.93	.91	.92	.90	.88		.86	
2	1.01	.93	.87	.81	.98	.91	.85	.74	.88	.83	.79		.84	.80	.77	.81	.78	.75		.73	
3	.92	.82	.75	.68	.90	.81	.74	.64	.78	.72	.67		.75	.70	.65	.72	.68	.64		.62	
4	.85	.73	.65	.58	.82	.72	.64	.55	.69	.63	.57		.67	.61	.56	.65	.60	.56		.54	
5	.78	.66	.57	.51	.76	.64	.56	.48	.62	.55	.50		.60	.54	.49	.59	.53	.49		.47	
6	.72	.59	.50	.44	.70	.58	.50	.43	.56	.49	.44		.55	.48	.43	.53	.47	.43		.41	
7	.67	.54	.45	.39	.65	.53	.45	.38	.51	.44	.39		.50	.43	.39	.49	.43	.38		.36	
8	.62	.49	.41	.35	.61	.48	.40	.34	.47	.40	.35		.46	.39	.35	.45	.39	.34		.32	
9	.58	.45	.37	.32	.57	.44	.37	.31	.43	.36	.31		.42	.36	.31	.41	.35	.31		.29	
10	.55	.42	.34	.29	.53	.41	.34	.28	.40	.33	.29		.39	.33	.28	.38	.32	.28		.27	

[illegible]

[illegible]

Maximum lm: 1.1
Field lm: 1,387.8
Total lm: 1,412.9

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	558	558	558	558	558	558	558	558	558	558	558	558	558	558	558	558	558
0.5	558	558	558	558	558	558	558	558	558	557	557	557	558	558	558	558	558
1	558	558	558	558	558	558	558	558	557	557	557	557	558	558	558	558	558
1.5	558	558	558	558	559	558	558	558	557	557	557	557	557	557	557	557	558
2	558	558	558	558	559	558	558	558	557	557	557	556	557	557	557	557	558
2.5	557	558	558	558	559	558	558	557	557	557	556	556	557	556	557	557	557
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3.5	557	557	558	558	558	558	557	556	556	556	555	555	555	555	556	556	557
4	556	557	557	558	558	558	557	556	556	555	555	554	555	555	555	555	556
4.5	556	557	557	557	558	557	557	556	555	554	554	553	554	554	554	555	556
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5.5	555	556	556	556	557	556	556	555	554	553	552	552	552	553	553	554	555
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6.5	553	555	555	555	556	555	555	553	552	551	551	550	551	551	552	553	553
7	553	554	554	555	556	555	554	553	552	550	550	549	550	550	551	552	553
7.5	552	553	554	554	555	554	553	552	551	549	549	548	549	549	550	551	552
8	551	552	553	554	554	553	552	551	550	548	548	547	548	548	549	550	551
8.5	550	552	552	553	553	552	552	550	549	547	547	546	546	547	548	549	550
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11	545	547	547	548	549	548	546	544	543	541	540	539	540	541	542	544	545
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13.5	538	540	541	542	543	541	540	537	536	534	533	532	532	533	534	537	538
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15.5	532	534	535	537	537	536	534	531	529	527	526	525	525	526	528	530	532
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17.5	525	528	529	530	531	529	527	524	522	519	518	517	517	519	520	523	525
18	523	526	527	528	529	527	525	522	520	517	516	515	515	516	518	521	523
18.5	521	524	525	526	527	525	523	520	518	515	514	512	513	514	516	519	521
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23.5	499	502	504	506	506	504	502	498	495	492	490	488	489	491	493	496	499
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42.5	375	381	385	387	386	382	378	371	366	360	358	356	357	361	364	370	375
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44	362	369	372	375	374	370	365	358	353	347	345	343	344	348	351	357	362
44.5	358	365	368	370	370	365	361	354	349	343	341	339	339	344	347	353	358
45	354	360	364	366	366	361	357	350	344	338	336	334	335	339	343	349	354
45.5	349	356	360	362	362	357	352	345	340	334	332	330	330	335	338	344	349
46	345	352	355	358	357	353	348	341	336	329	327	325	326	330	334	340	345
46.5	341	348	351	354	353	348	344	336	331	325	323	321	321	326	329	335	341
47	336	343	347	349	349	344	339	332	326	320	318	316	317	321	325	331	336
47.5	332	339	342	345	344	340	335	327	322	316	314	312	312	316	320	327	332
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49.5	314	321	325	327	327	322	316	309	303	297	295	293	293	298	301	308	314
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50.5	305	312	315	318	318	312	307	299	294	287	285	283	284	288	292	299	305
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54	272	279	282	285	285	279	274	266	260	254	251	250	250	254	258	266	272
54.5	267	274	278	280	280	275	269	261	255	249	247	245	244	249	253	261	267
55	262	269	273	276	275	270	264	256	250	244	242	240	240	244	248	256	262
55.5	257	265	268	271	271	265	259	251	245	239	237	235	234	239	244	251	257
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56.5	247	255	258	261	261	255	250	241	235	229	227	225	225	229	234	242	247
57	243	250	253	256	256	250	245	236	230	224	222	220	219	224	229	237	243
57.5	238	245	248	251	251	245	240	231	225	219	217	214	214	219	223	232	238
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58.5	228	235	238	241	241	235	230	221	215	209	206	204	204	208	213	222	228
59	223	230	233	236	236	230	225	216	210	204	201	199	199	203	208	217	223
59.5	218	225	228	231	231	226	220	211	205	199	196	194	193	198	203	212	218
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60.5	207	215	218	220	221	215	210	201	195	188	186	184	183	188	193	201	207
61	202	210	213	216	216	210	205	196	190	183	181	179	178	182	188	196	202
61.5	197	204	207	210	211	205	200	191	185	178	176	174	173	177	182	191	197
62	192	199	202	205	206	200	195	186	180	173	171	168	167	172	177	186	192
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63	182	189	192	195	195	190	184	175	169	163	160	158	157	162	167	176	182
63.5	177	184	187	190	190	185	179	170	164	158	155	153	152	156	162	170	177
64	172	179	181	184	185	180	174	165	159	153	150	148	147	151	156	165	172
64.5	166	173	176	179	180	175	169	160	154	148	145	142	141	146	151	160	166
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65.5	156	163	166	169	170	164	159	150	144	137	135	132	131	135	141	150	156
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66.5	145	152	155	158	159	154	148	140	134	127	124	121	120	125	130	139	145
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68	130	137	139	142	143	138	133	124	118	112	109	106	104	109	115	123	130
68.5	124	131	134	137	138	133	128	119	113	106	104	100	99	104	109	118	124
69	119	126	129	132	133	128	123	114	108	101	98	96	94	99	104	113	119
69.5	114	121	124	127	128	123	118	109	103	96	93	90	89	94	99	108	114
70	109	116	118	121	122	118	113	104	98	91	88	85	84	89	94	103	109
70.5	103	110	113	116	117	112	107	99	93	86	83	80	79	84	89	97	103
71	98	105	108	111	112	107	102	94	88	81	78	75	74	79	84	92	98
71.5	93	100	103	106	107	102	97	89	83	76	73	70	69	74	79	87	93
72	88	95	97	100	102	97	92	84	78	71	68	65	64	69	74	82	88
72.5	83	90	92	95	96	92	87	79	73	66	64	60	59	64	69	77	83
73	78	84	87	90	91	87	82	74	68	62	59	56	54	59	64	72	78
73.5	73	79	82	85	86	82	77	69	63	57	54	51	50	54	59	67	73
74	68	74	77	80	81	77	72	64	59	52	49	46	45	50	54	62	68
74.5	63	69	72	75	76	72	67	60	54	47	45	42	41	45	50	57	63
75	58	65	67	70	71	67	62	55	49	43	40	37	37	41	45	53	58
75.5	53	60	62	65	66	62	58	50	44	38	35	33	32	37	41	48	53
76	48	55	57	60	61	57	53	45	40	33	30	28	28	32	36	43	48
76.5	44	50	53	55	56	52	49	41	35	28	26	24	23	28	32	39	44
77	40	46	48	51	52	48	44	36	30	24	22	20	20	24	27	34	40
77.5	35	41	44	46	47	43	39	31	26	20	18	17	16	20	23	29	35
78	30	37	39	42	43	39	34	27	22	17	15	14	14	17	19	25	30
78.5	26	33	35	38	38	34	29	23	18	14	13	12	12	14	16	21	26
79	22	28	31	33	34	29	25	19	15	12	11	11	11	12	14	18	22
79.5	19	24	27	29	29	25	21	16	13	11	10	9	9	11	12	15	19
80	15	20	23	25	25	21	18	14	11	10	9	9	9	10	10	13	15
80.5	13	17	19	21	21	17	15	12	10	9	8	8	8	9	9	11	13
81	11	14	16	18	18	15	13	10	9	8	7	7	7	8	8	10	11

81.5	10	12	14	15	15	12	11	9	8	7	7	6	6	7	8	9	10
82	9	11	12	13	13	11	10	8	7	6	6	5	5	6	7	8	9
82.5	8	10	11	11	11	10	9	8	7	6	5	5	4	5	6	7	8
83	7	9	9	10	10	9	8	7	6	5	4	4	4	4	5	6	7
83.5	7	8	8	9	9	8	7	6	5	4	4	3	3	3	4	6	7
84	6	7	8	8	8	7	6	5	4	3	3	2	2	3	4	5	6
84.5	5	6	7	7	7	6	6	4	3	3	2	2	2	2	3	4	5
85	4	5	6	6	6	6	5	3	3	2	1	1	1	1	2	3	4
85.5	3	4	5	6	6	5	4	3	2	1	1	1	0	1	1	2	3
86	3	4	4	5	5	4	3	2	1	1	0	0	0	0	1	2	3
86.5	2	3	3	4	4	3	3	1	1	0	0	0	0	0	0	1	2
87	1	2	3	3	3	3	2	1	0	0	0	0	0	0	0	0	1
87.5	1	1	2	2	3	2	1	0	0	0	0	0	0	0	0	0	1
88	0	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0
88.5	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
89.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
120.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
121.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
122.5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0

123	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
123.5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
124	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0
124.5	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0
125	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1
125.5	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1
126	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1
126.5	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1
127	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0
127.5	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0
128	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
128.5	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
129	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
129.5	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
130	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
130.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
131	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
131.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
132	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
132.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
133	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
133.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
134	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
134.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
135	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
135.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
136	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
136.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
137	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
137.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
138	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
138.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
139	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
139.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
140	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
140.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
141	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
141.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
142	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
142.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
143	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
143.5	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
144	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
144.5	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1
145	1	1	1	1	0	0	0	0	1	0	1	0	1	1	1	1
145.5	1	1	1	1	0	0	0	0	1	0	1	0	1	1	1	1
146	1	1	1	1	0	0	0	0	1	0	1	0	1	1	1	1
146.5	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1	1
147	1	1	1	1	1	0	0	0	1	0	1	0	1	1	1	1
147.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
148	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
148.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
149	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
149.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
150	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
150.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
151	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
151.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
152	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
152.5	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1
153	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1
153.5	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1
154	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1
154.5	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1
155	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1
155.5	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1
156	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
156.5	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
157	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
158	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
158.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
159	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
159.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
161	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
161.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
162	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
162.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
163	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
163.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
164	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

164.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] Manny
[TESTLAB]
[ISSUEDATE] 2015-12-08
[MANUFAC] ELCO Lighting
[LAMP] LED
[_TOTALLUMINAIRELUMENS] 1413.5
[_VOLTAGE] 120.26
[_CURRENT] 0.1648
[_WATTS] 19.726
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 361, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.