

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: G3-2107-318-6

Luminaire Tested: **TT-D1-AMB-U-DL**

Test Date: 8/10/2021

Test Information

Test Method: LM-79-08
Report Number: G3-2107-318-6
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 8/10/2021
Issue Date: 8/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D1-AMB-U-DL
Description: TOPTIER LED PARKING GARAGE LUMINAIRE. NARROW BAND AMBER LEDS AND DRIVE LANE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 808.6 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Luminous Opening: Circular (Dia: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

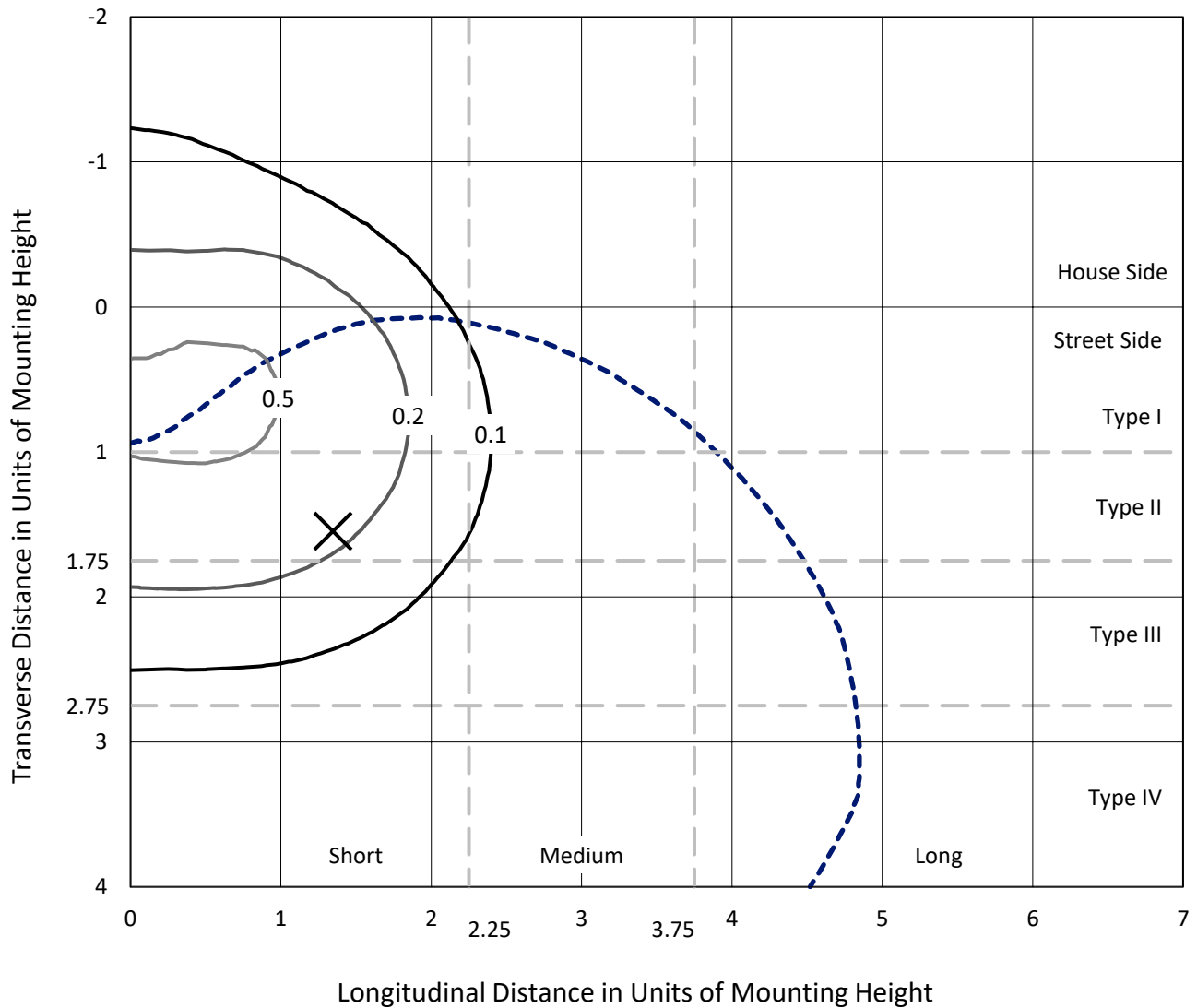
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

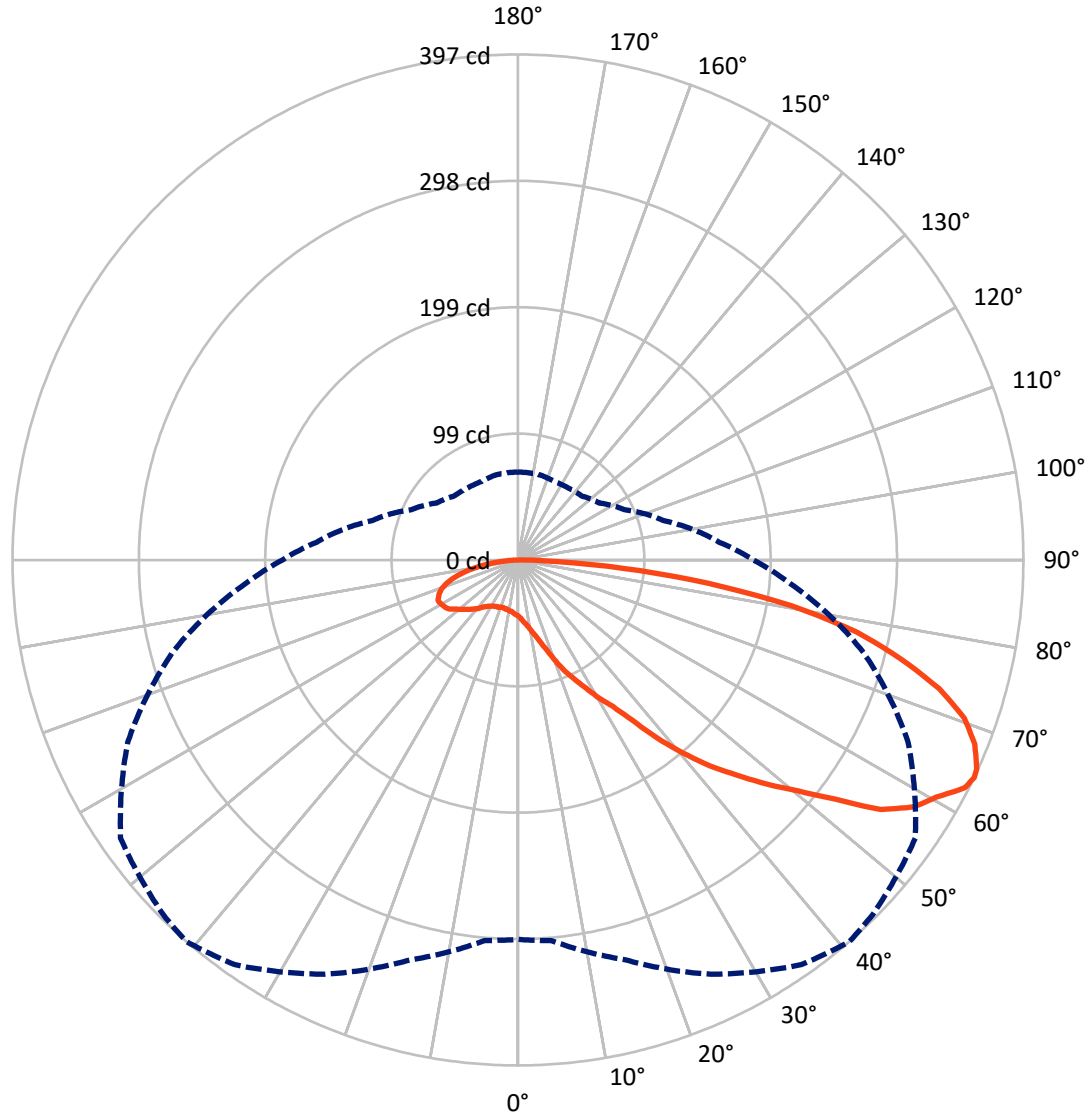
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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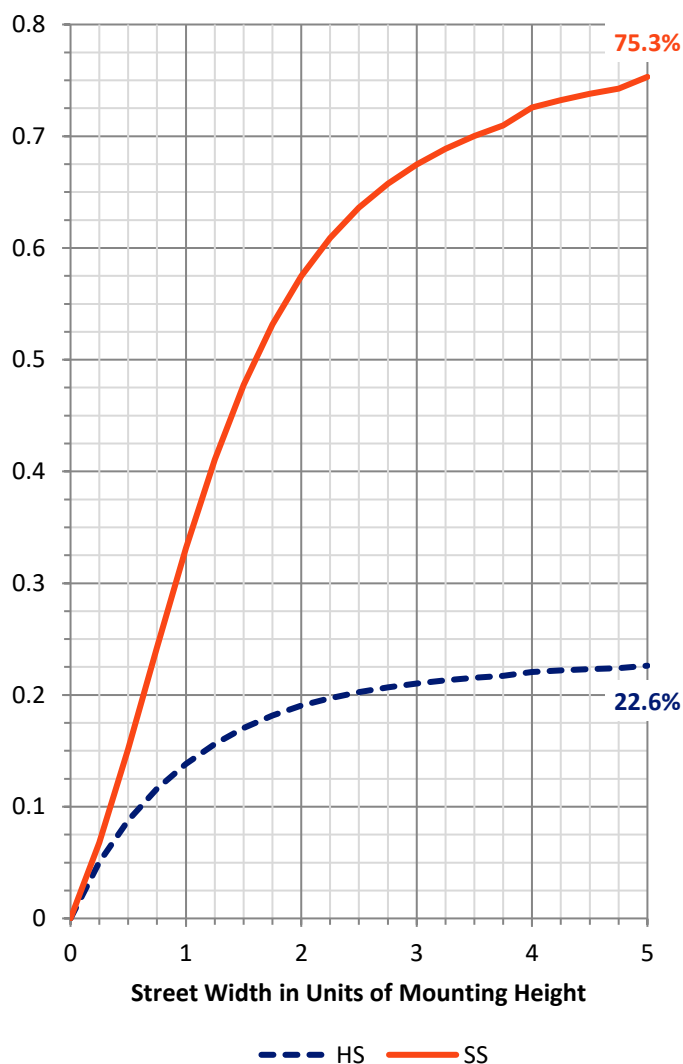
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	186.1	0.0	186.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	622.5	0.0	622.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	808.6	0.0	808.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.5
10°-20°	15.5	1.9
20°-30°	33.4	4.1
30°-40°	61.9	7.7
40°-50°	108.6	13.4
50°-60°	166.9	20.6
60°-70°	203.6	25.2
70°-80°	165.6	20.5
80°-90°	48.9	6.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	808.6	100.0
0°-180°	808.6	100.0

Coefficient of Utilization

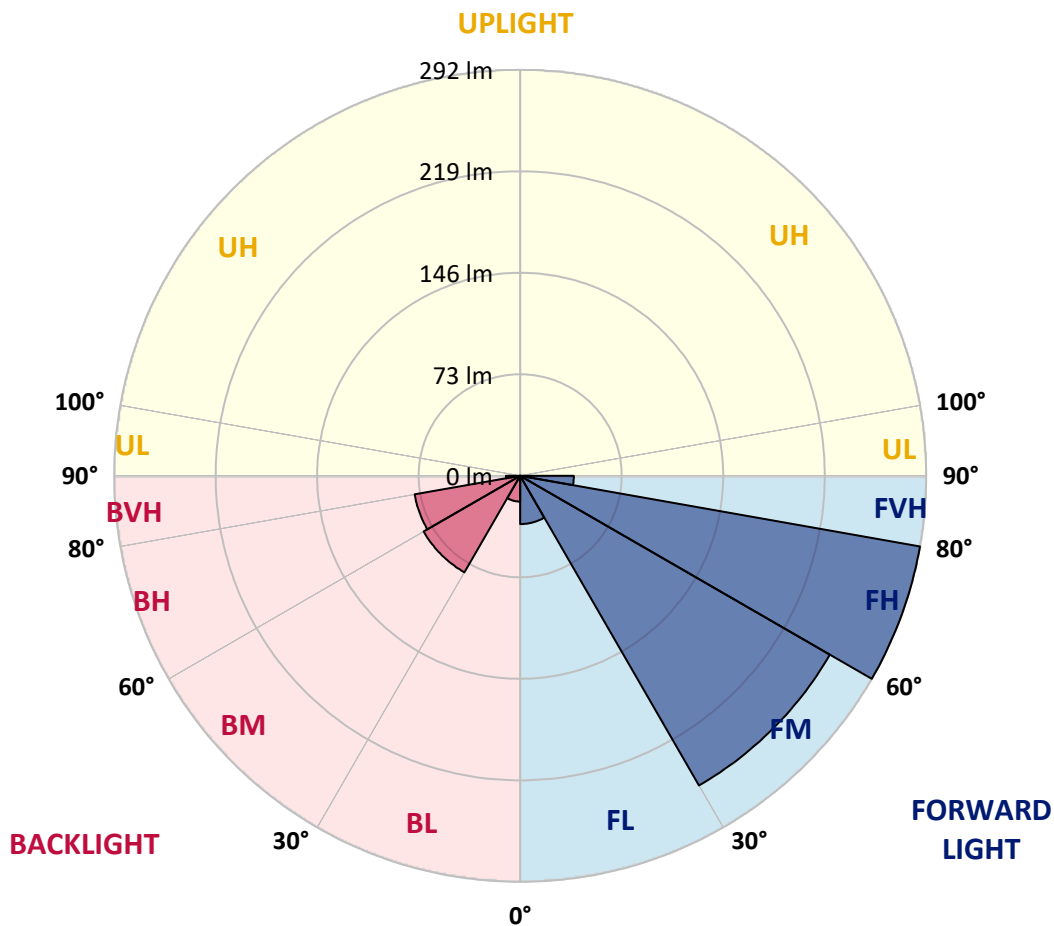


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	34.7	4.3			
FM (30°-60°)	257.2	31.8			
FH (60°-80°)	292.0	36.1			G0/660
FVH (80°-90°)	38.6	4.8			G1/100
BL (0°-30°)	18.5	2.3	B0/110		
BM (30°-60°)	80.2	9.9	B0/220		
BH (60°-80°)	77.1	9.5	B0/110		G0/110
BVH (80°-90°)	10.3	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	44	44	44	44	44	44	44	44	44	44	44
2.5°	47	47	47	47	46	46	46	46	46	45	45
5°	51	51	51	50	50	49	49	49	48	47	46
7.5°	55	54	54	53	53	52	52	51	50	49	47
10°	58	58	58	58	57	56	56	54	53	51	49
12.5°	64	63	64	63	62	61	61	59	57	54	52
15°	70	69	70	69	68	67	66	65	62	58	55
17.5°	78	78	77	77	77	75	75	72	68	63	59
20°	88	87	86	87	87	85	84	82	76	70	64
22.5°	96	96	96	95	96	95	94	91	85	78	69
25°	105	105	106	106	105	104	103	99	93	85	75
27.5°	114	115	114	115	115	114	112	109	100	91	81
30°	124	124	125	126	126	126	124	120	110	99	87
32.5°	134	135	135	139	138	137	136	131	122	108	94
35°	146	147	149	153	154	154	152	146	135	119	102
37.5°	160	161	165	173	176	177	175	168	153	133	112
40°	180	179	185	195	199	199	198	190	174	150	125
42.5°	195	194	203	213	219	221	219	210	192	166	136
45°	208	211	220	231	238	241	241	229	210	181	148
47.5°	224	226	235	249	261	263	264	251	227	195	158
50°	239	242	254	271	282	285	283	273	248	210	170
52.5°	257	258	273	293	308	312	311	298	270	228	182
55°	274	274	294	316	339	346	346	330	294	249	195
57.5°	288	289	308	337	359	366	363	351	314	262	205
60°	292	299	317	350	371	378	377	362	328	270	212
62.5°	295	302	324	354	384	394	393	377	333	278	216
64°	298	300	325	359	388	397	394	381	338	281	215
65°	298	295	323	360	387	396	393	381	339	279	212
67.5°	289	287	311	352	379	387	386	374	333	271	206
70°	267	272	297	334	363	372	370	360	317	258	198
72.5°	245	249	274	310	337	346	344	335	296	239	182
75°	217	221	242	277	301	311	312	300	267	214	162
77.5°	181	184	207	234	262	272	271	261	226	182	137
80°	137	143	163	188	211	218	214	207	182	148	110
82.5°	91	95	116	133	148	150	156	149	130	103	76
85°	43	45	58	70	82	83	83	80	72	56	38
87.5°	6	4	5	11	13	19	16	15	10	9	5
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44	44	44	44	44	44	44	44	44	44	44
2.5°	45	45	44	44	43	43	43	43	43	43	43
5°	46	45	44	44	43	42	42	41	41	41	41
7.5°	47	46	45	43	42	41	40	40	40	39	39
10°	48	47	45	43	42	41	40	39	38	38	38
12.5°	50	49	46	44	42	40	39	38	38	37	37
15°	53	51	48	45	42	40	39	38	37	37	37
17.5°	57	54	49	46	42	40	38	37	36	36	36
20°	61	58	52	47	43	40	38	37	36	36	36
22.5°	66	62	55	49	44	41	39	37	36	36	35
25°	70	66	58	50	45	41	39	37	36	36	35
27.5°	76	70	60	52	46	42	39	37	36	36	36
30°	81	75	63	54	48	43	40	38	37	36	36
32.5°	87	80	67	57	49	44	41	39	38	37	37
35°	93	86	71	60	51	46	42	40	39	39	39
37.5°	102	93	76	63	54	48	44	43	41	41	41
40°	113	101	82	67	57	51	47	45	45	44	44
42.5°	122	108	87	71	60	53	50	48	47	47	47
45°	131	116	92	74	62	56	52	50	50	50	50
47.5°	139	124	97	78	65	58	55	53	53	53	53
50°	149	131	102	81	68	61	58	56	56	56	56
52.5°	160	139	107	85	71	64	60	59	59	59	60
55°	171	147	113	89	75	68	64	63	64	63	64
57.5°	179	154	117	92	77	69	67	66	66	66	66
60°	181	158	119	94	78	70	68	68	68	68	68
62.5°	183	160	120	93	78	71	69	68	69	70	69
64°	185	159	119	93	78	71	69	68	69	69	69
65°	185	157	118	92	78	70	68	68	69	69	69
67.5°	180	150	112	89	74	68	66	66	66	67	68
70°	168	143	105	84	70	64	63	63	64	64	64
72.5°	153	131	96	76	64	59	58	58	59	60	60
75°	137	115	85	66	57	52	52	52	53	54	54
77.5°	115	97	71	55	48	44	44	44	46	46	46
80°	88	75	55	43	38	35	35	36	37	38	37
82.5°	61	52	38	30	26	25	26	26	28	28	27
85°	31	28	20	16	15	14	15	16	16	18	16
87.5°	6	5	4	4	5	4	5	5	6	6	6
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)