

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: P823269

Luminaire Tested: **TTN-D0-740-U-RW**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-10)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D0-740-U-RW
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
4000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1185 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

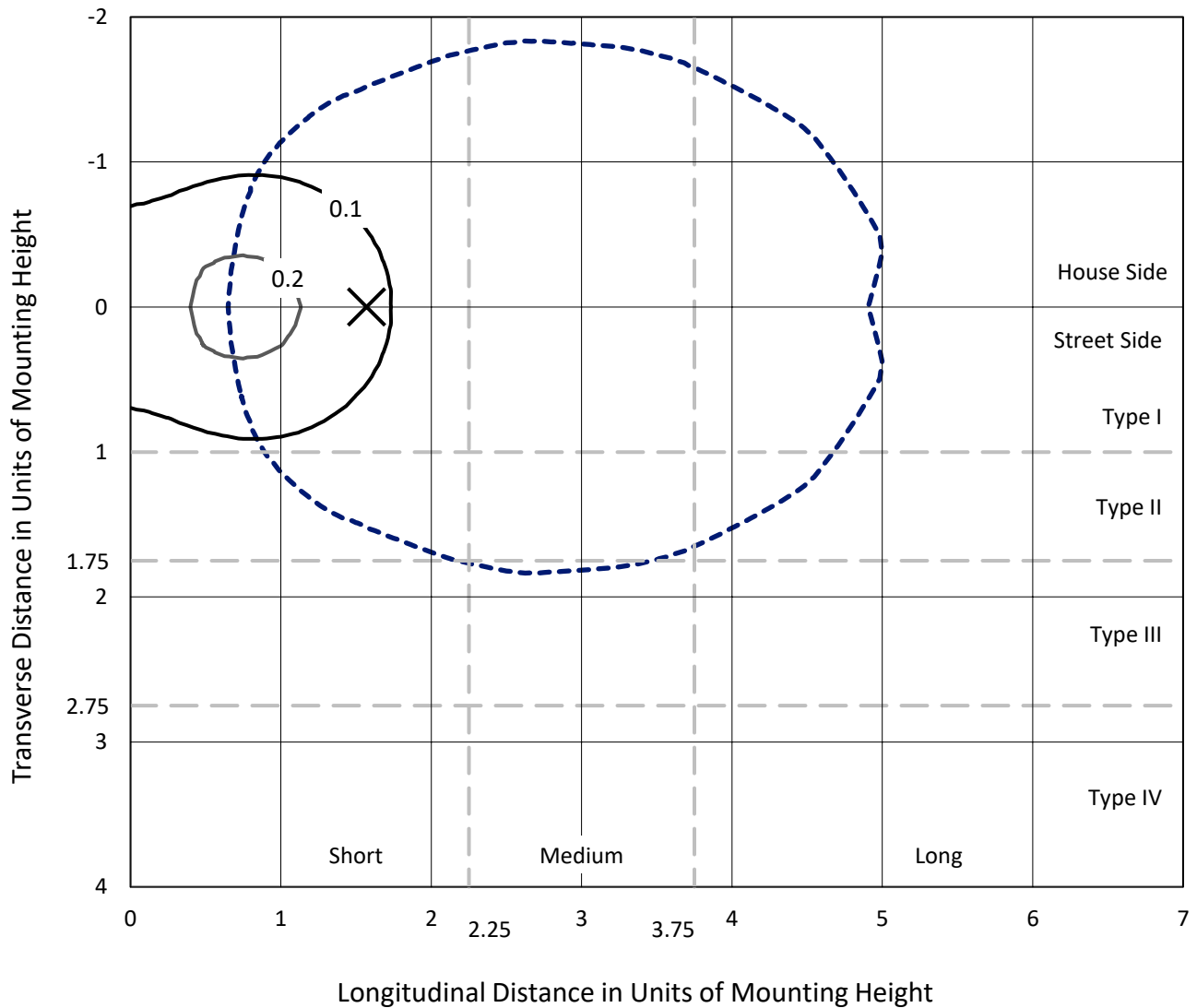
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

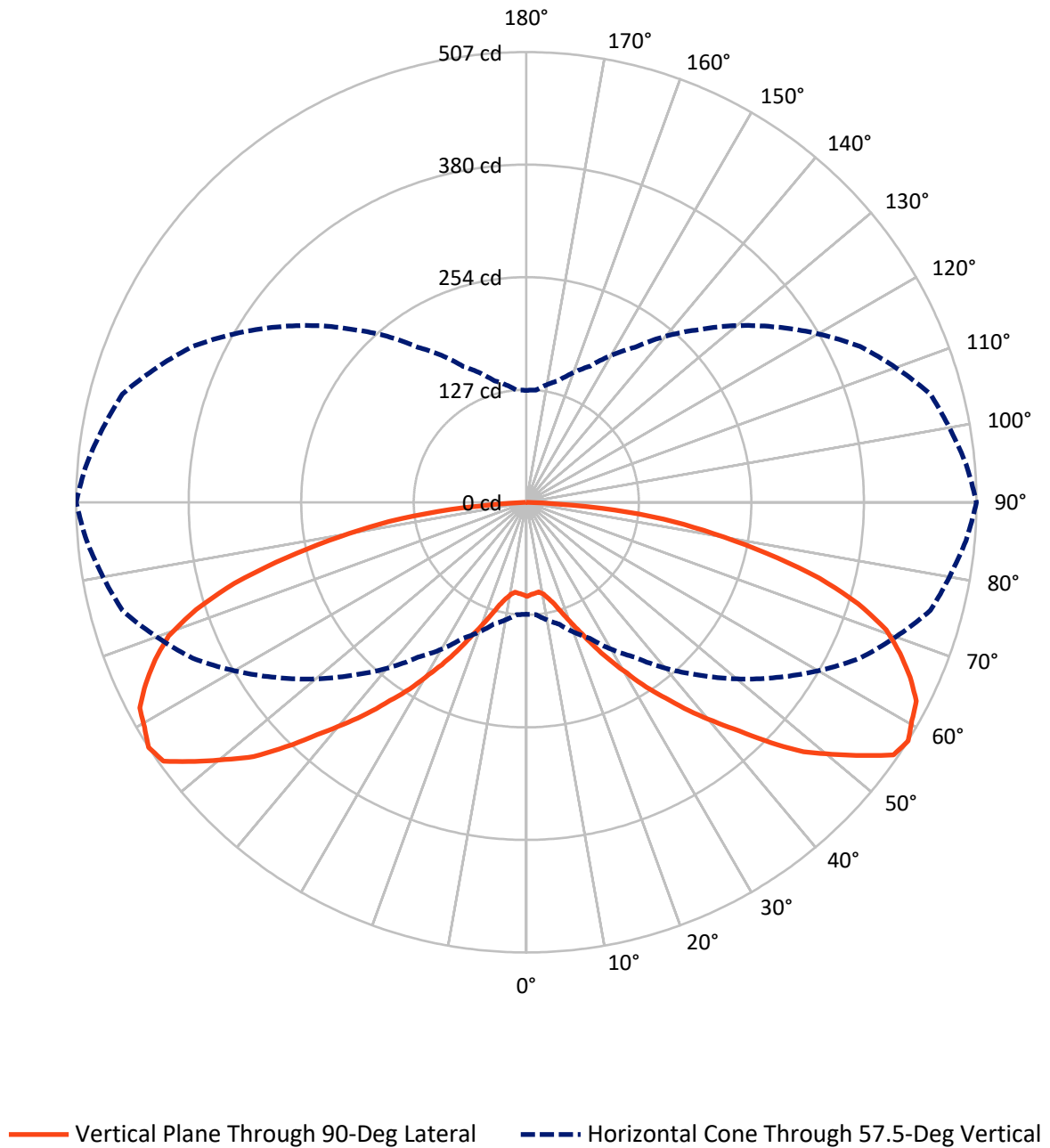
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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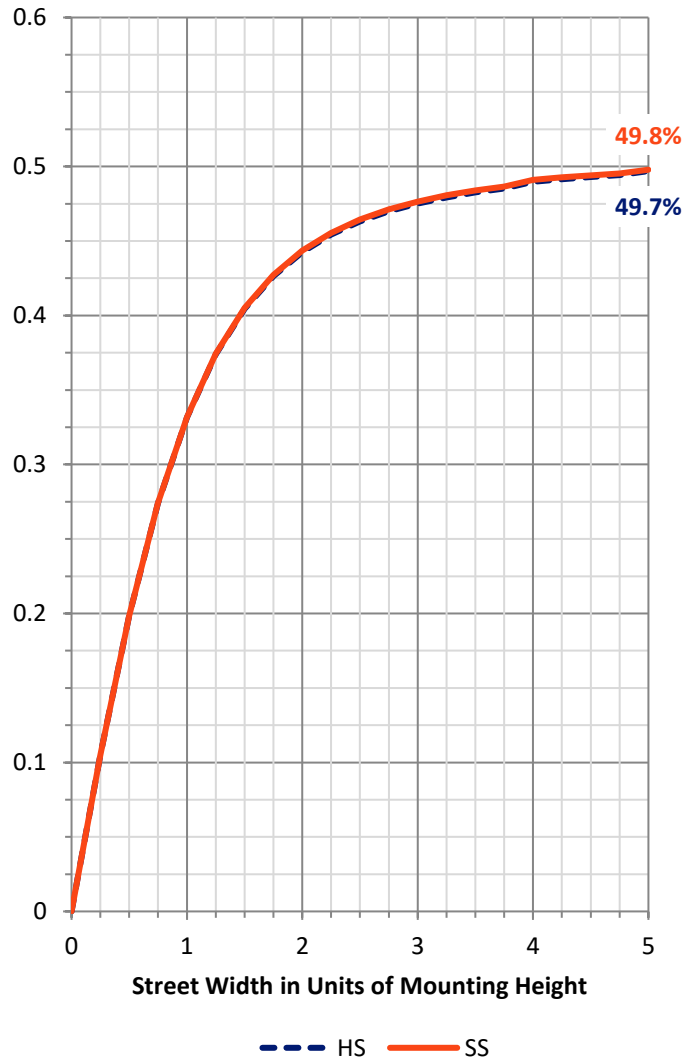
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.5	0.0	592.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	592.5	0.0	592.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1185.0	0.0	1185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.8
10°-20°	31.8	2.7
20°-30°	66.3	5.6
30°-40°	118.9	10.0
40°-50°	190.0	16.0
50°-60°	260.1	22.0
60°-70°	268.3	22.6
70°-80°	190.8	16.1
80°-90°	48.8	4.1
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°	1185.0	100.0
0°-180°	1185.0	100.0

Coefficient of Utilization



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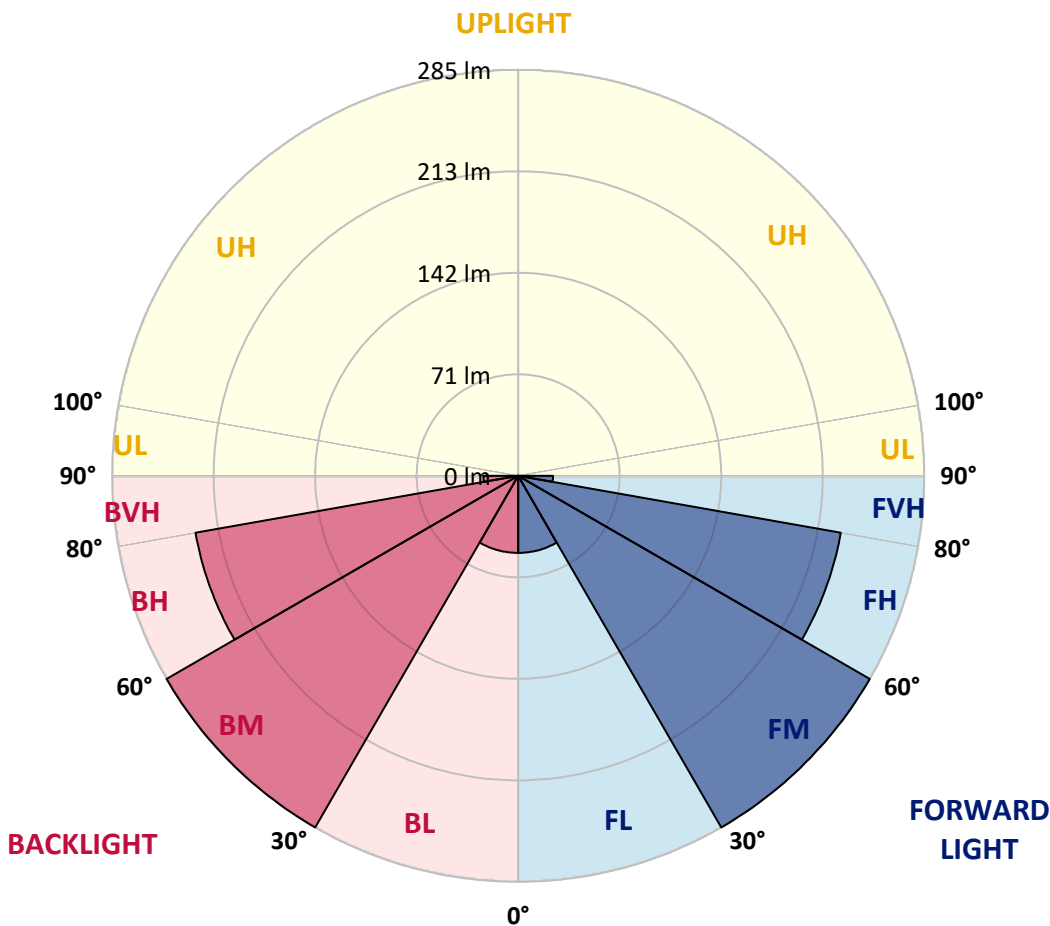
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.0	4.6			
FM (30°-60°)	284.5	24.0			
FH (60°-80°)	229.6	19.4			G0/660
FVH (80°-90°)	24.4	2.1			G1/100
BL (0°-30°)	54.0	4.6	B0/110		
BM (30°-60°)	284.5	24.0	B1/1000		
BH (60°-80°)	229.6	19.4	B1/500		G1/500
BVH (80°-90°)	24.4	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	106	106	106	106	106	106	106	106	106	106	106
2.5°	106	106	105	105	105	104	104	104	104	103	104
5°	106	106	106	106	105	104	104	104	103	103	103
7.5°	105	105	105	105	104	103	103	103	102	102	102
10°	104	105	104	104	103	103	104	104	105	105	105
12.5°	103	103	103	104	104	105	107	109	110	111	111
15°	103	103	104	105	107	109	112	115	117	119	119
17.5°	103	103	104	107	110	114	119	123	127	130	131
20°	103	103	105	109	115	121	128	134	140	145	145
22.5°	104	105	107	112	121	130	139	148	155	161	161
25°	106	106	109	117	128	140	153	164	173	181	181
27.5°	107	108	112	122	136	151	169	182	194	201	202
30°	109	110	116	126	143	162	183	201	214	221	223
32.5°	110	111	119	131	150	172	196	219	237	245	248
35°	113	114	122	136	158	183	211	238	259	269	271
37.5°	116	117	125	141	166	195	227	258	282	294	298
40°	118	119	128	147	175	208	245	279	306	321	324
42.5°	121	122	132	152	183	221	264	302	331	348	352
45°	124	125	136	158	192	235	283	329	362	382	386
47.5°	127	128	140	164	201	249	303	353	393	412	420
50°	128	130	142	168	207	261	320	377	419	444	446
52.5°	129	131	144	171	212	270	334	397	446	476	474
55°	130	130	144	171	214	276	344	410	464	488	502
57.5°	126	127	142	169	213	275	344	415	471	497	507
60°	121	123	137	164	209	272	342	413	474	502	499
62.5°	114	118	130	157	203	265	339	408	467	496	493
65°	106	110	121	150	190	248	323	398	448	481	475
67.5°	98	101	112	138	175	230	302	376	421	457	454
70°	89	90	101	124	160	212	282	345	397	424	430
72.5°	78	78	89	109	142	188	255	310	359	382	391
75°	64	65	74	92	119	161	217	273	314	338	341
77.5°	50	51	58	73	96	130	179	223	262	283	277
80°	36	37	42	53	71	97	138	177	205	222	214
82.5°	22	23	26	33	45	63	94	123	145	159	156
85°	11	11	13	15	19	28	45	62	79	89	86
87.5°	2	3	3	3	3	2	3	3	3	5	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)