

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: P198089

Luminaire Tested: **TT-C2-LED-E1-RW-SG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-RW-SG-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2816.6 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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: 25 FT

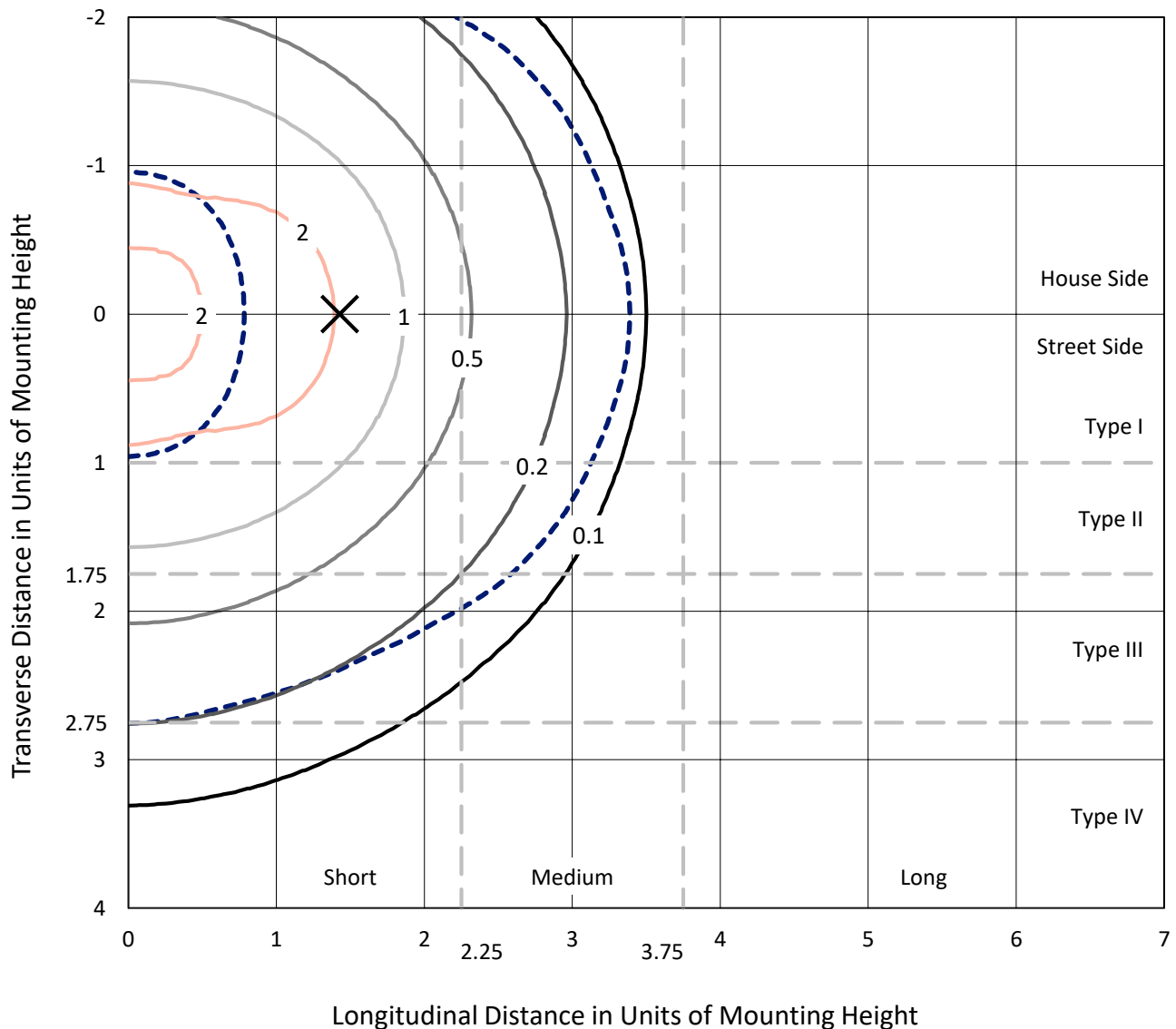


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

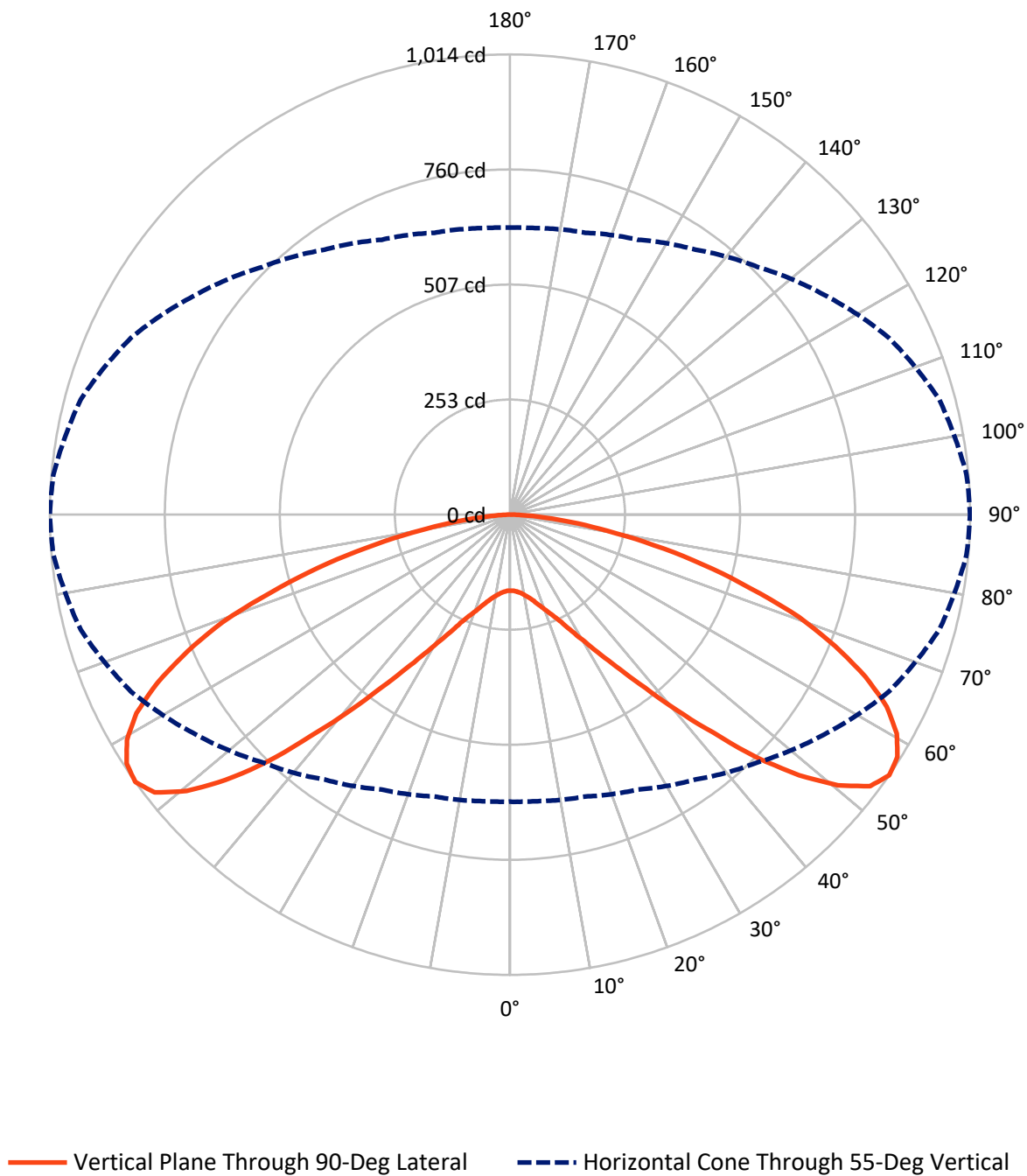


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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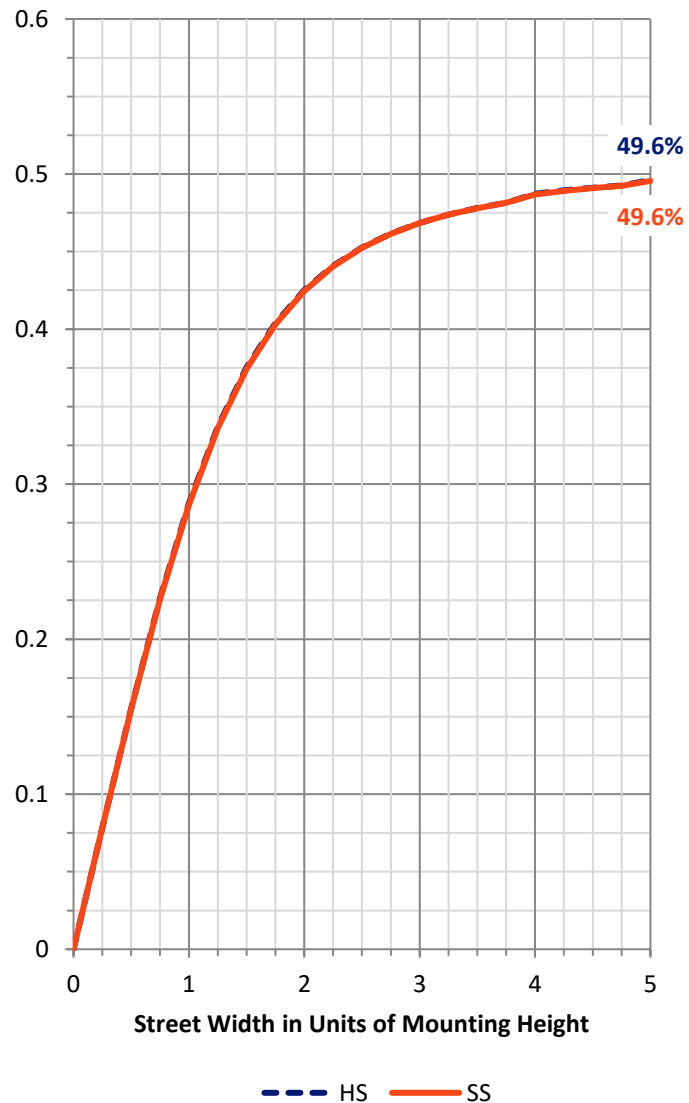
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1408.3	0.0	1408.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1408.3	0.0	1408.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2816.6	0.0	2816.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.6
10°-20°	57.5	2.0
20°-30°	125.6	4.5
30°-40°	252.6	9.0
40°-50°	477.3	16.9
50°-60°	704.1	25.0
60°-70°	693.5	24.6
70°-80°	403.8	14.3
80°-90°	85.5	3.0
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°	2816.6	100.0
0°-180°	2816.6	100.0

Coefficient of Utilization



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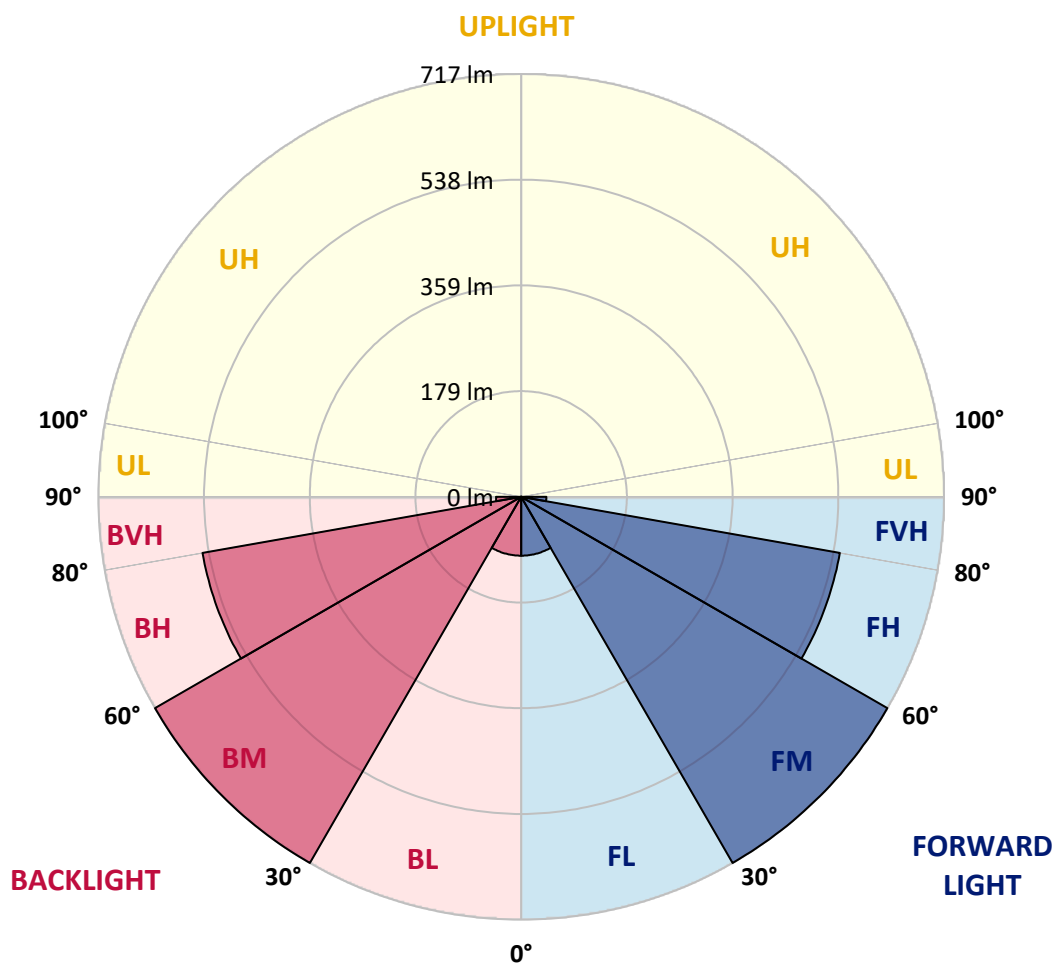
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.9	3.5			
FM	(30°-60°)	717.0	25.5			
FH	(60°-80°)	548.7	19.5			G0/660
FVH	(80°-90°)	42.7	1.5			G1/100
BL	(0°-30°)	99.9	3.5	B0/110		
BM	(30°-60°)	717.0	25.5	B1/1000		
BH	(60°-80°)	548.7	19.5	B2/1000		G2/1000
BVH	(80°-90°)	42.7	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3
2.5°	168.6	168.6	168.6	168.6	167.9	168.6	167.9	167.9	167.9	167.9	167.9
5°	170.5	171.2	170.5	170.5	170.5	170.5	170.5	170.5	169.9	169.9	170.5
7.5°	175.1	175.1	175.1	175.1	174.4	175.1	174.4	174.4	174.4	174.4	174.4
10°	181.6	181.6	181.6	181.6	181.0	181.0	181.0	180.3	180.3	180.3	180.3
12.5°	189.4	190.1	190.1	189.4	188.8	188.8	188.1	188.1	188.1	188.1	187.5
15°	201.1	200.5	200.5	199.2	199.2	197.9	198.5	197.9	197.2	196.6	197.2
17.5°	212.9	213.5	213.5	212.2	211.6	210.9	209.6	209.6	208.9	209.6	209.6
20°	231.1	231.1	229.8	228.5	226.5	225.9	224.6	224.6	223.3	224.6	224.6
22.5°	249.3	249.3	248.0	247.4	244.8	242.8	242.1	241.5	240.8	242.1	240.8
25°	272.1	272.1	270.8	268.2	265.6	264.9	263.0	263.0	263.6	264.3	261.7
27.5°	295.5	296.2	294.9	292.9	290.3	287.7	287.7	288.4	289.0	291.6	291.0
30°	324.2	323.5	321.6	319.0	317.7	315.7	316.4	319.0	321.6	324.2	324.2
32.5°	353.5	352.8	352.2	349.6	348.9	348.2	351.5	356.7	361.9	363.9	367.1
35°	384.7	384.7	384.0	382.1	383.4	386.7	391.9	401.6	409.4	418.5	418.5
37.5°	419.2	417.9	418.5	418.5	421.8	427.7	440.0	458.9	475.2	484.3	484.3
40°	455.0	453.0	453.7	457.0	462.8	477.1	498.6	524.7	550.7	562.4	566.3
42.5°	489.5	487.5	490.2	493.4	507.7	529.9	561.8	601.5	638.6	656.8	656.1
45°	521.4	522.7	526.0	533.8	554.6	587.1	632.7	686.1	734.3	755.7	763.5
47.5°	553.3	553.9	558.5	572.2	601.5	642.5	697.8	768.7	822.1	847.5	857.3
50°	583.2	584.5	592.3	611.9	646.4	695.8	764.2	839.7	898.3	928.2	936.7
52.5°	609.9	611.2	620.3	644.4	685.4	742.7	814.3	891.8	953.6	988.1	993.3
55°	632.1	633.4	642.5	667.9	712.1	771.4	844.3	921.1	979.0	1009.6	1013.5
57.5°	645.1	645.7	655.5	681.5	725.1	780.5	850.8	925.0	975.7	1003.1	1006.3
60°	645.7	647.0	656.1	679.6	719.9	770.7	837.7	904.1	950.4	975.1	979.0
62.5°	634.0	634.7	642.5	660.7	695.2	739.5	801.3	861.2	902.8	926.9	931.5
65°	607.3	607.3	611.2	624.9	651.6	689.3	742.1	797.4	835.8	857.9	860.5
67.5°	563.1	563.1	563.7	572.8	591.0	621.0	665.9	712.1	746.6	768.7	772.0
70°	506.4	505.8	500.6	506.4	518.1	543.5	583.2	618.4	646.4	663.9	675.7
72.5°	434.8	432.2	428.3	427.0	438.7	460.9	493.4	517.5	533.1	552.0	553.3
75°	351.5	350.2	345.0	345.0	356.7	374.3	400.3	416.6	424.4	436.8	439.4
77.5°	262.3	261.7	263.6	264.3	270.8	289.7	304.6	316.4	314.4	322.2	324.8
80°	183.6	184.9	184.9	184.2	190.7	197.9	214.2	217.4	214.8	217.4	217.4
82.5°	116.5	115.9	114.6	116.5	121.7	127.6	134.1	134.7	136.7	134.7	136.0
85°	58.6	57.9	59.2	59.9	62.5	65.7	71.6	72.9	69.6	69.6	68.3
87.5°	20.2	21.5	20.2	20.8	20.8	24.1	23.4	23.4	23.4	23.4	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)