

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: P197957

Luminaire Tested: **TT-C5-LED-E1-RW-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5246.8 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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

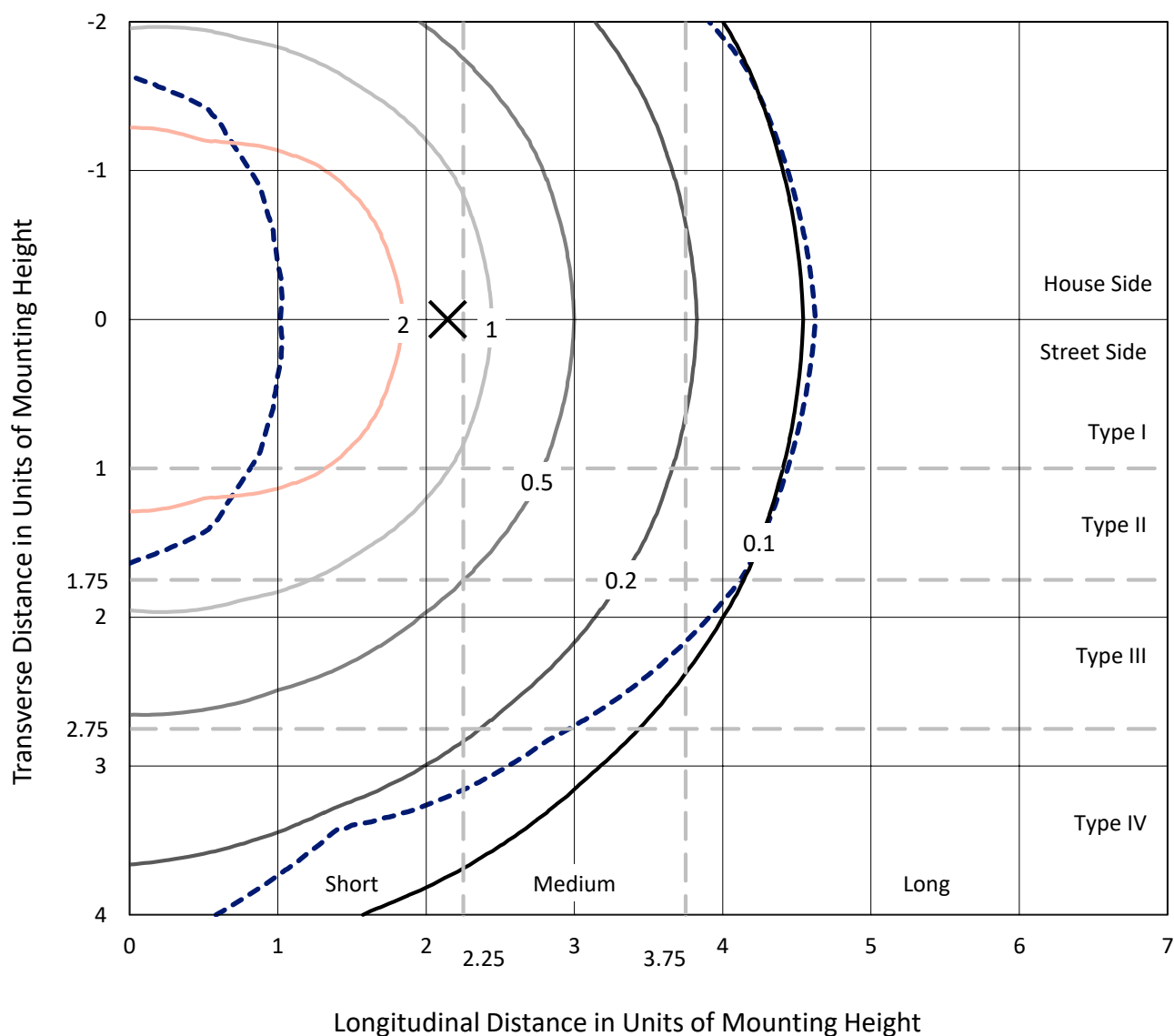


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

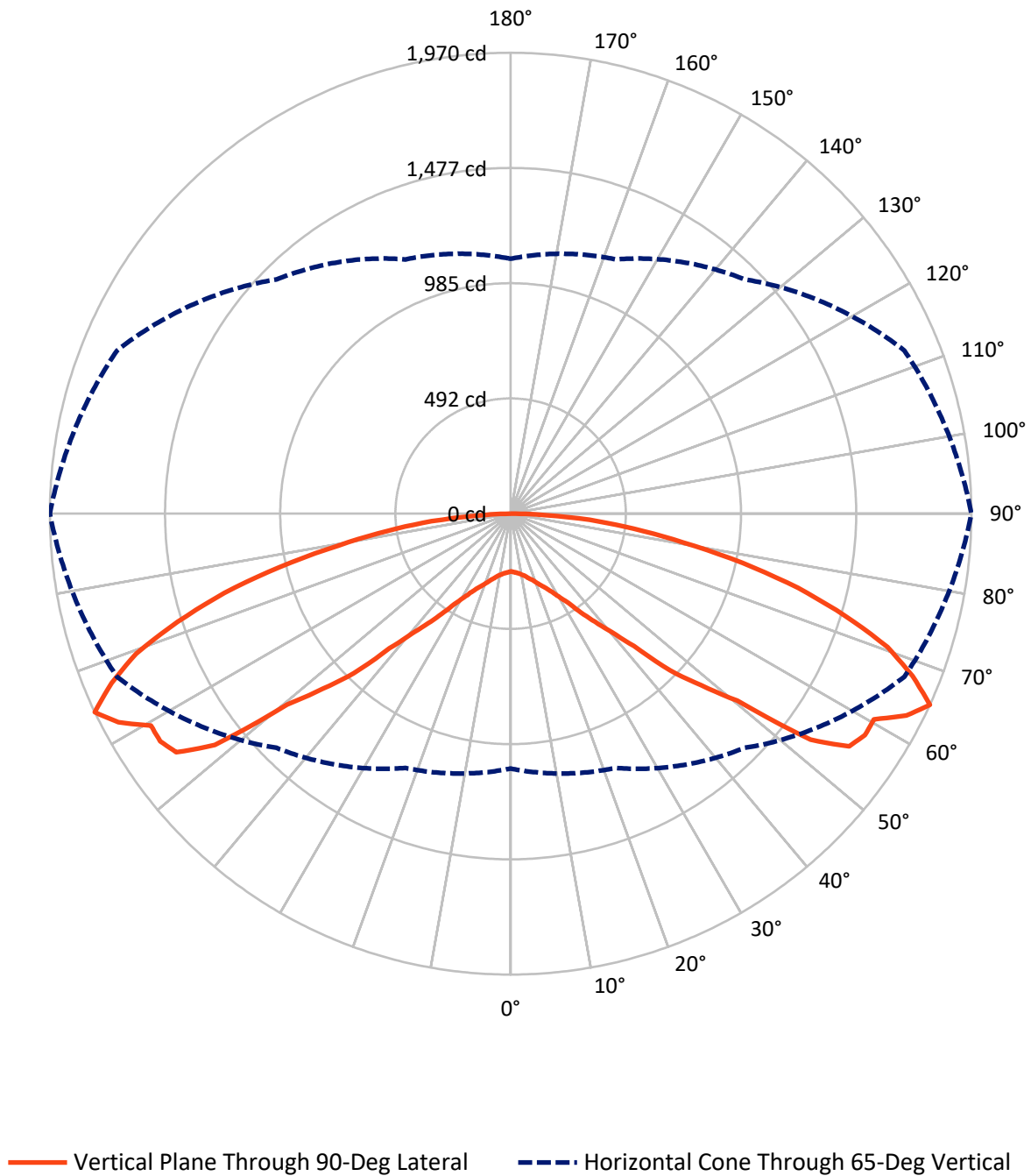


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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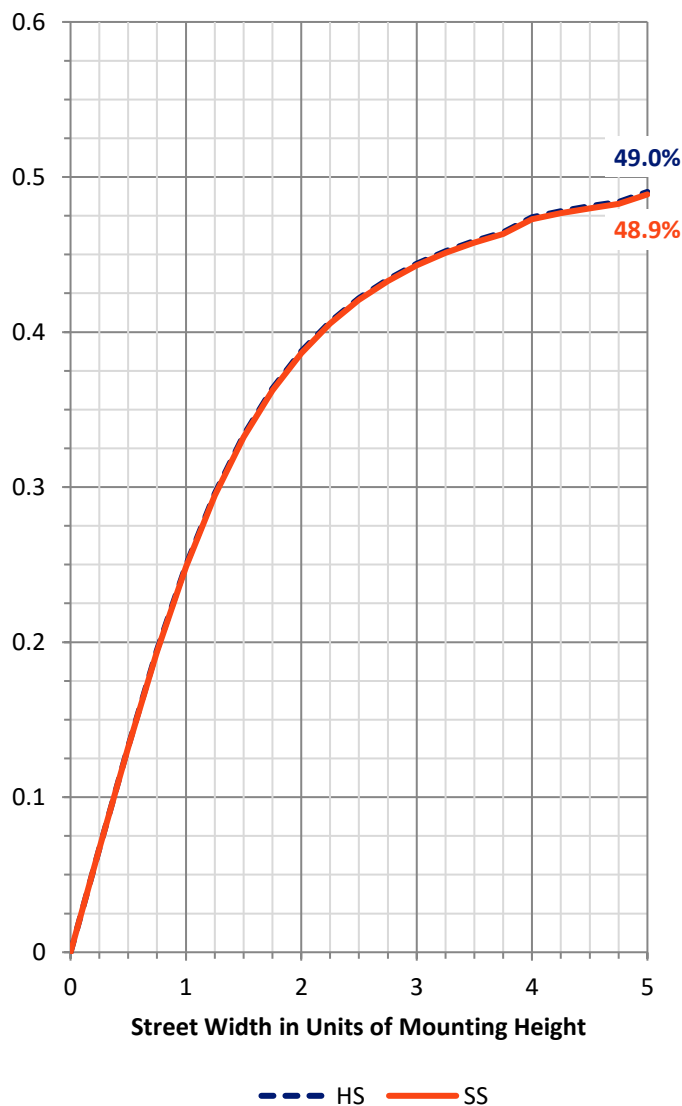
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2623.4	0.0	2623.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2623.4	0.0	2623.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5246.8	0.0	5246.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	0.5
10°-20°	83.8	1.6
20°-30°	175.8	3.4
30°-40°	334.4	6.4
40°-50°	621.5	11.8
50°-60°	1101.5	21.0
60°-70°	1430.5	27.3
70°-80°	1139.4	21.7
80°-90°	335.2	6.4
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°	5246.8	100.0
0°-180°	5246.8	100.0

Coefficient of Utilization



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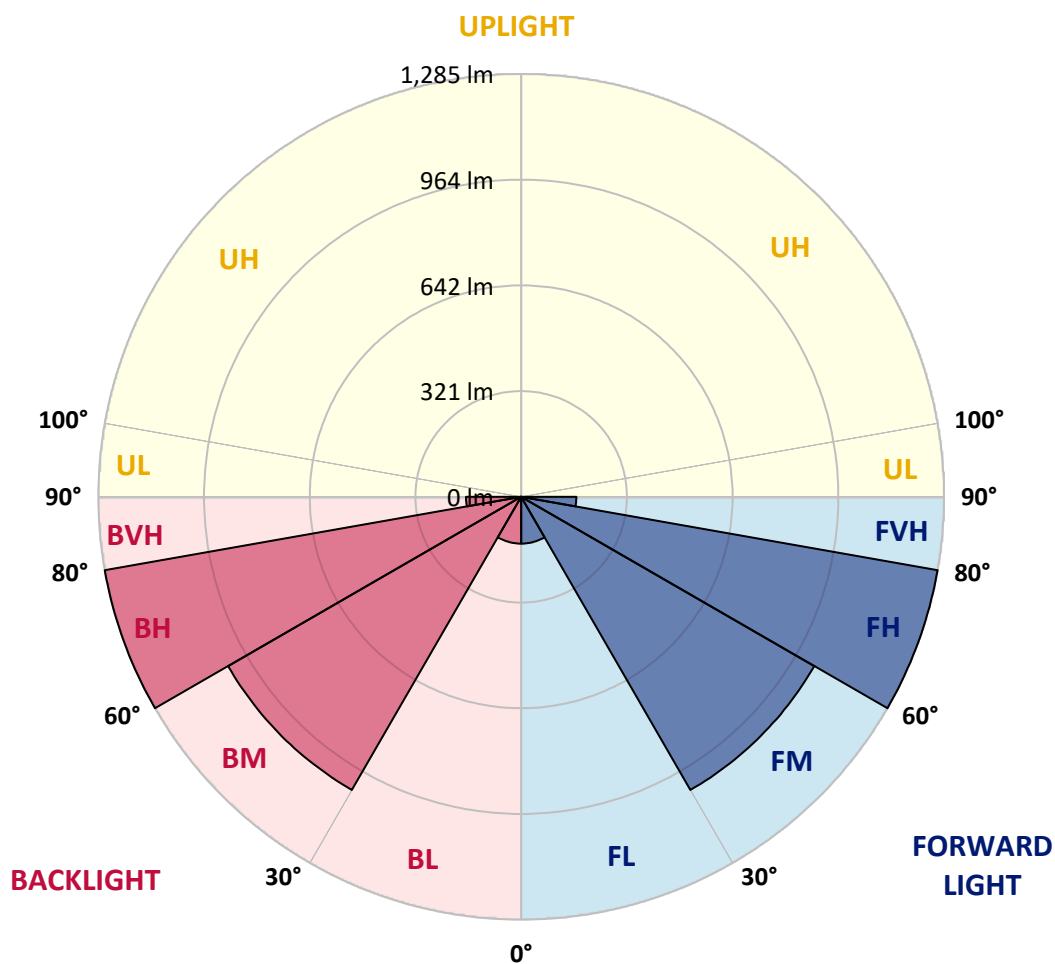
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.1	2.7			
FM	(30°-60°)	1028.7	19.6			
FH	(60°-80°)	1285.0	24.5			G1/1800
FVH	(80°-90°)	167.6	3.2			G2/225
BL	(0°-30°)	142.1	2.7	B1/500		
BM	(30°-60°)	1028.7	19.6	B2/2500		
BH	(60°-80°)	1285.0	24.5	B3/2500		G3/2500
BVH	(80°-90°)	167.6	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	246.5	246.5	246.5	246.5	246.5
2.5°	248.8	248.8	250.0	250.0	250.0
5°	253.4	253.4	254.6	254.6	253.4
7.5°	259.2	261.5	260.4	258.1	258.1
10°	268.5	269.6	267.3	266.2	265.0
12.5°	280.1	281.2	276.6	275.4	273.1
15°	296.3	295.1	290.5	285.8	285.8
17.5°	318.3	311.3	303.2	299.7	297.4
20°	343.7	334.5	324.0	315.9	314.8
22.5°	372.6	359.9	346.0	334.5	333.3
25°	400.4	390.0	372.6	357.6	353.0
27.5°	430.5	422.4	400.4	383.1	379.6
30°	465.2	458.3	432.8	416.6	415.5
32.5°	505.7	496.5	468.7	457.1	456.0
35°	554.3	537.0	512.7	504.6	518.5
37.5°	600.6	581.0	561.3	575.2	586.7
40°	641.1	628.4	619.1	648.1	664.3
42.5°	680.5	673.5	680.5	723.3	773.1
45°	722.1	724.5	749.9	866.8	955.9
47.5°	770.8	771.9	832.1	1011.5	1095.9
50°	824.0	822.8	929.3	1120.3	1255.7
52.5°	876.1	880.7	1026.5	1354.0	1605.2
55°	922.4	947.8	1158.4	1589.0	1755.6
57.5°	962.9	1011.5	1282.3	1658.4	1785.7
60°	1006.8	1087.8	1369.1	1672.3	1784.5
62.5°	1049.7	1148.0	1387.6	1733.6	1899.1
65°	1089.0	1175.8	1415.4	1821.6	1969.7
67.5°	1121.4	1189.7	1415.4	1745.2	1852.8
70°	1148.0	1172.3	1333.2	1607.5	1709.3
72.5°	1142.2	1100.6	1197.8	1438.5	1497.5
75°	1087.8	974.4	1055.4	1210.5	1269.5
77.5°	951.3	815.9	859.9	975.6	1013.8
80°	753.4	636.5	662.0	736.0	747.6
82.5°	531.2	457.1	466.4	523.1	531.2
85°	312.5	281.2	272.0	322.9	339.1
87.5°	92.6	81.0	79.9	97.2	107.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)