

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: P198113

Luminaire Tested: **TT-C2-LED-E1-RW-SG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
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-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2999.1 lumens
Efficiency: N/A
Efficacy: 88.2 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

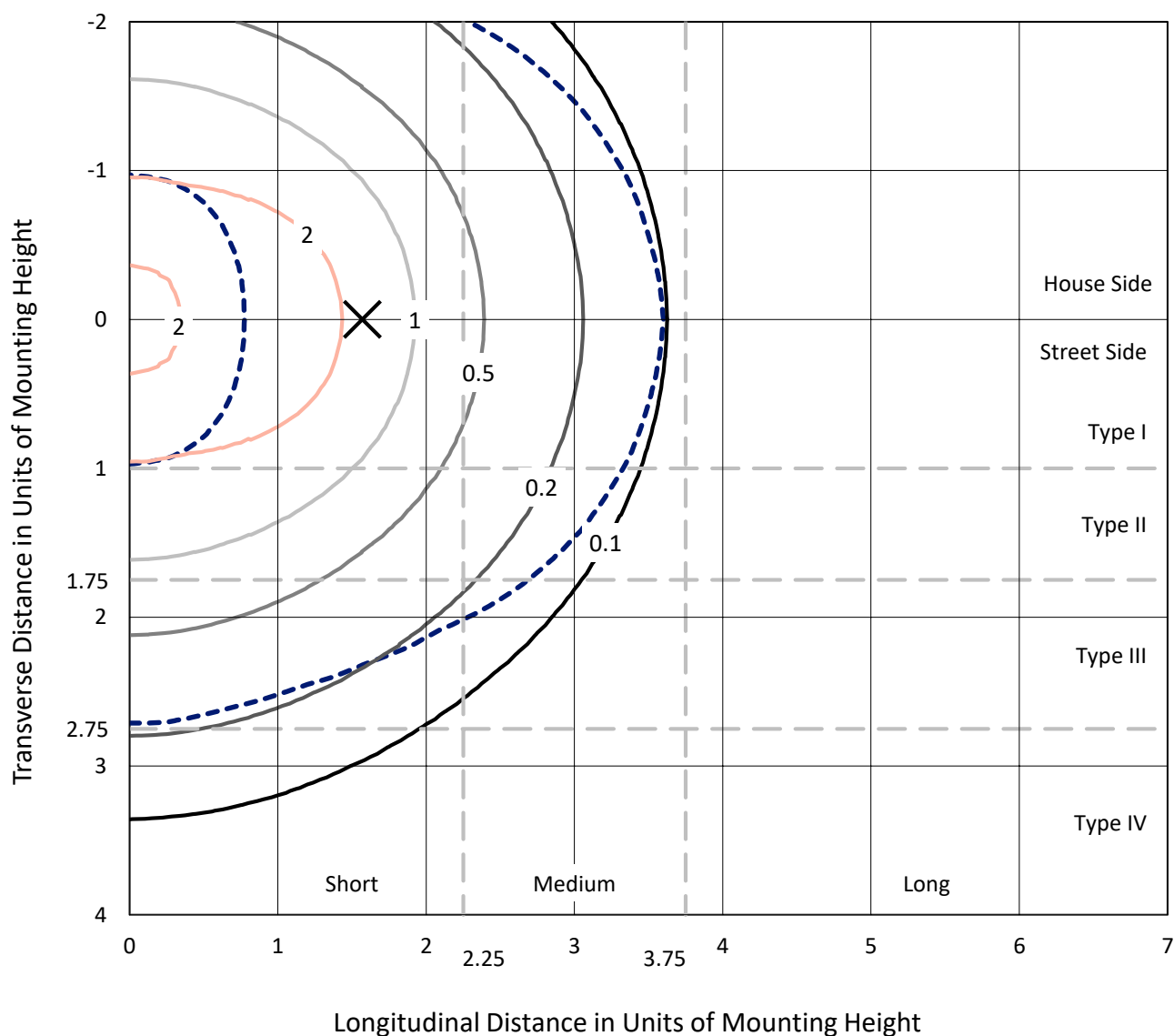


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

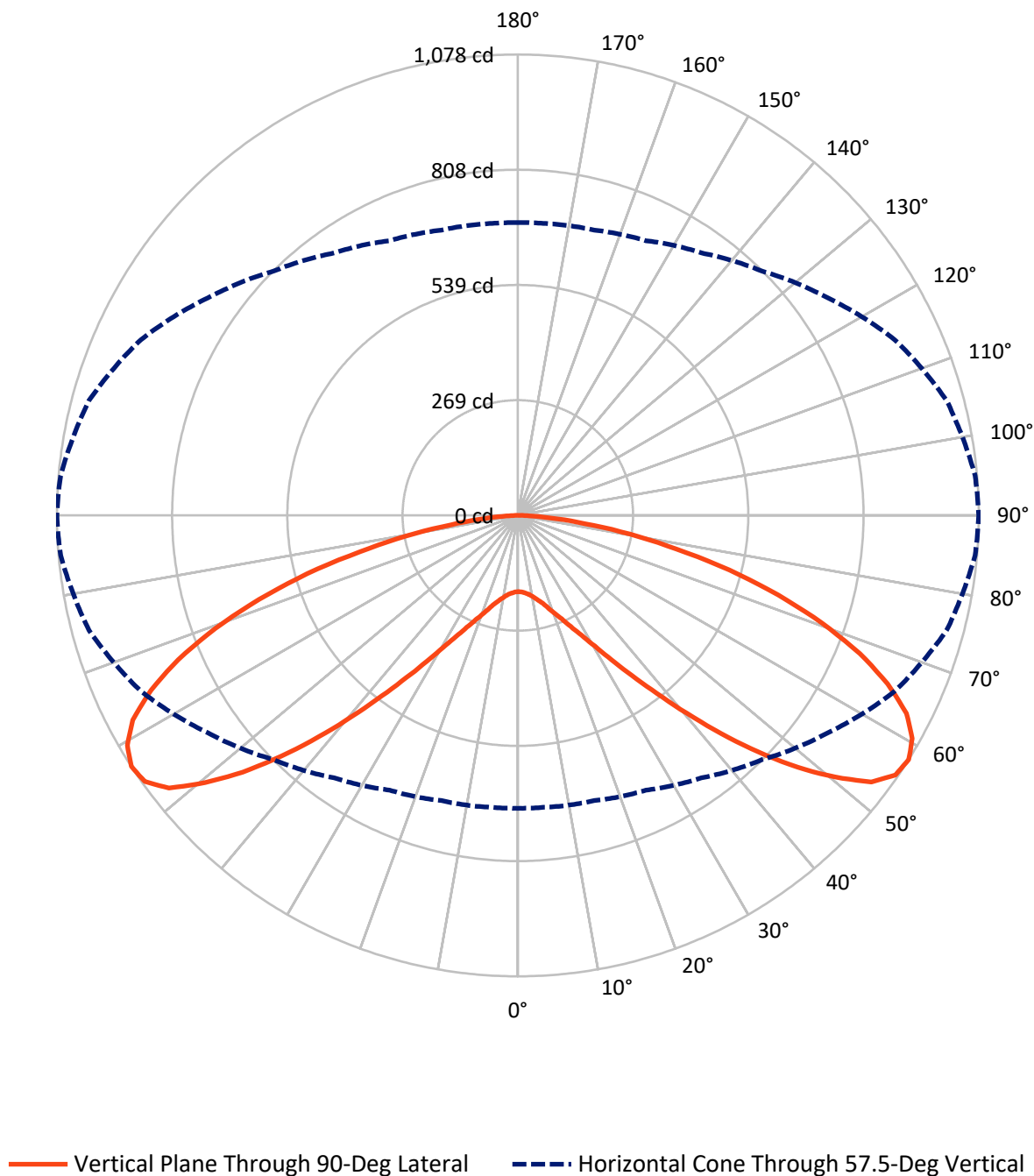


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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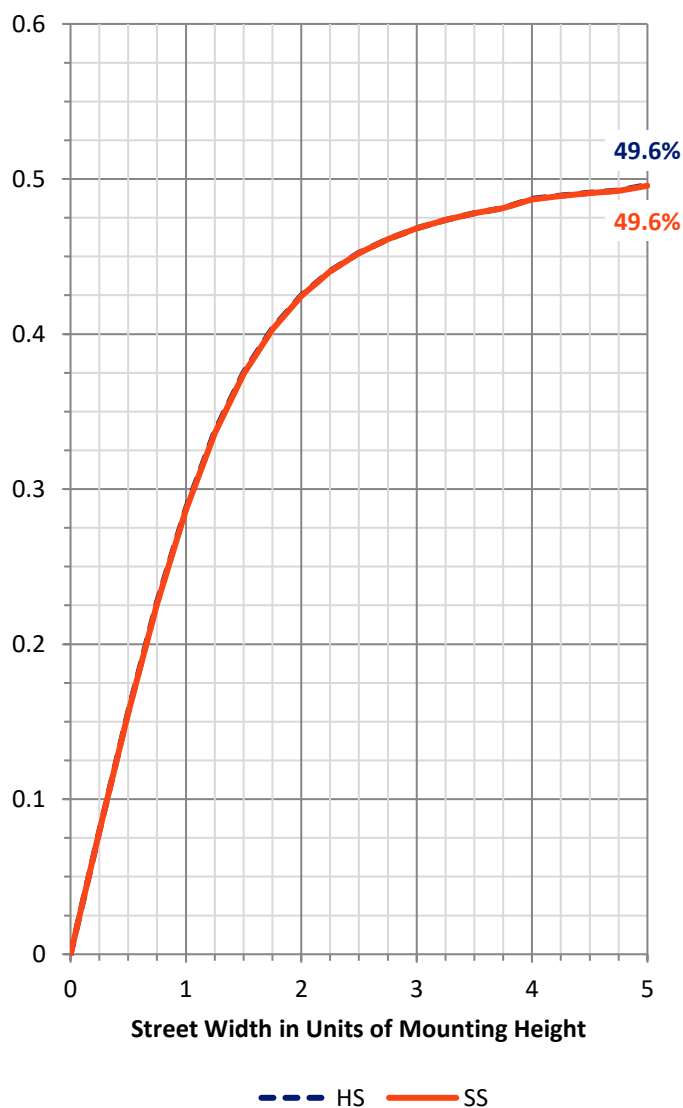
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1499.6	0.0	1499.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1499.6	0.0	1499.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2999.1	0.0	2999.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.6
10°-20°	61.2	2.0
20°-30°	133.6	4.5
30°-40°	268.2	8.9
40°-50°	500.8	16.7
50°-60°	737.6	24.6
60°-70°	743.0	24.8
70°-80°	443.6	14.8
80°-90°	93.5	3.1
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°	2999.1	100.0
0°-180°	2999.1	100.0

Coefficient of Utilization



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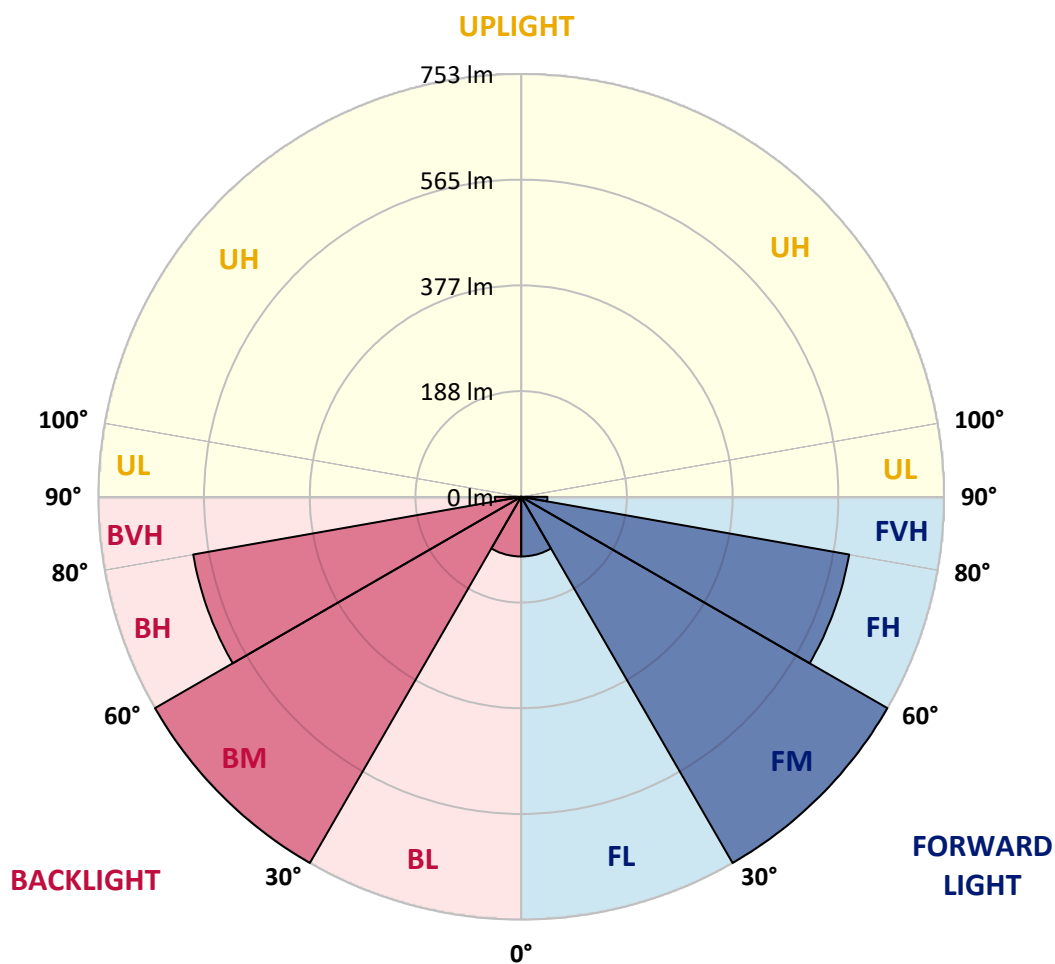
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.3	3.5			
FM	(30°-60°)	753.3	25.1			
FH	(60°-80°)	593.3	19.8			G0/660
FVH	(80°-90°)	46.7	1.6			G1/100
BL	(0°-30°)	106.3	3.5	B0/110		
BM	(30°-60°)	753.3	25.1	B1/1000		
BH	(60°-80°)	593.3	19.8	B2/1000		G2/1000
BVH	(80°-90°)	46.7	1.6			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°	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4	178.4
2.5°	179.7	179.7	179.7	179.7	179.7	179.0	179.7	179.0	179.0	179.0	179.0
5°	181.6	181.6	181.6	182.3	182.3	182.3	182.3	181.6	182.3	181.6	182.3
7.5°	186.2	186.2	186.2	186.2	186.2	186.2	186.8	186.2	186.8	186.2	186.2
10°	192.0	192.0	192.0	192.0	192.7	192.7	192.7	193.3	193.3	193.3	193.3
12.5°	200.5	200.5	200.5	200.5	200.5	200.5	201.1	201.1	201.8	201.8	201.8
15°	211.6	211.6	210.9	210.9	210.9	211.6	211.6	212.9	212.2	212.2	212.2
17.5°	225.2	224.6	224.6	224.6	224.6	224.6	224.6	225.9	225.9	225.9	226.5
20°	240.2	241.5	240.8	239.5	239.5	239.5	240.2	241.5	241.5	243.4	244.1
22.5°	261.0	261.7	260.4	259.7	257.8	257.8	259.7	260.4	263.0	262.3	263.0
25°	283.2	282.5	281.9	280.6	280.6	280.6	281.9	283.8	285.8	287.7	287.7
27.5°	307.9	307.2	306.6	305.9	304.6	306.6	307.9	312.4	313.7	318.3	317.0
30°	335.2	335.9	334.6	333.9	333.3	333.9	339.1	345.6	350.9	354.1	354.8
32.5°	365.8	366.5	365.8	364.5	365.8	369.1	375.6	384.0	394.5	400.3	402.3
35°	399.7	401.0	399.7	401.0	402.3	408.1	419.9	432.9	451.1	456.3	459.6
37.5°	436.1	434.8	434.2	436.1	442.0	454.3	470.6	493.4	512.3	527.9	527.9
40°	472.6	473.2	473.9	473.9	484.9	501.9	528.6	559.1	587.1	607.3	608.0
42.5°	511.6	511.6	511.6	517.5	531.2	557.8	592.3	637.3	675.7	694.5	697.1
45°	551.3	553.9	555.2	563.1	583.2	617.1	662.6	716.7	765.5	790.9	789.6
47.5°	590.4	593.6	596.3	608.0	635.3	671.8	728.4	793.5	848.8	877.5	880.1
50°	630.8	628.8	634.0	648.3	678.9	725.8	786.3	861.2	924.3	959.5	962.1
52.5°	657.4	656.8	662.0	677.0	712.8	765.5	835.1	920.4	988.8	1025.2	1035.6
55°	676.3	675.7	681.5	699.1	738.2	794.1	869.6	959.5	1028.5	1066.2	1071.4
57.5°	684.8	685.4	690.6	708.9	749.2	807.8	885.9	972.5	1038.2	1073.4	1077.9
60°	683.5	684.1	688.7	706.3	746.0	802.6	878.1	959.5	1022.0	1054.5	1059.7
62.5°	669.8	669.2	673.1	688.0	723.2	775.9	848.2	925.0	984.2	1014.2	1020.0
65°	641.2	640.5	640.5	653.5	683.5	728.4	796.7	865.1	920.4	949.1	950.4
67.5°	594.3	594.3	593.0	600.8	622.9	666.6	725.1	787.6	832.5	859.2	863.1
70°	531.2	532.5	527.9	532.5	550.7	585.2	637.3	687.4	722.5	753.1	755.1
72.5°	462.2	457.0	455.0	456.3	470.0	492.1	537.0	579.3	611.9	632.7	636.6
75°	373.0	373.0	371.7	369.7	377.5	399.7	429.6	464.1	491.5	505.8	511.0
77.5°	285.8	288.4	284.5	284.5	290.3	307.2	333.3	352.2	371.7	381.4	378.8
80°	203.1	202.4	200.5	199.2	205.7	215.5	236.3	247.4	253.2	262.3	266.2
82.5°	125.6	126.9	128.9	123.0	125.6	134.7	145.8	151.7	154.3	158.2	157.5
85°	61.8	62.5	63.1	63.8	63.8	67.0	73.6	76.2	78.1	80.1	78.8
87.5°	22.8	21.5	20.8	20.8	20.8	21.5	24.7	24.1	25.4	25.4	26.7
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)