Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P821190

Luminaire Tested: **TT-D1-735-24VDC-CQ**

Issue Date: 5/19/2020

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P821190
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab:	INNOVATION CENTER
Issue Date:	5/19/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D1-735-24VDC-CQ
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE
	3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3619 lumens
Efficiency:	N/A
Efficacy:	129.2 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B1 - U0 - G1

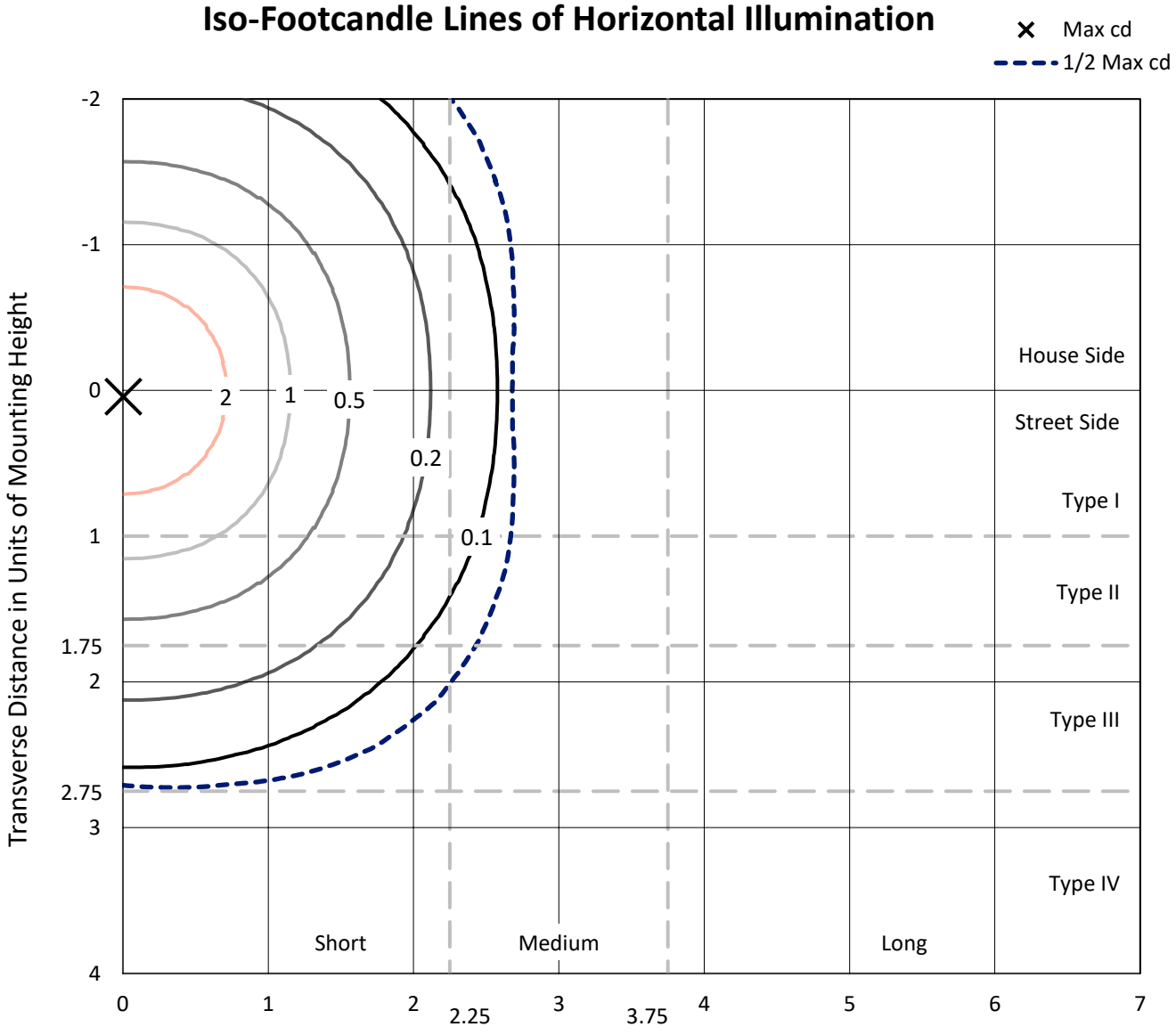
Input Watts (W):	28
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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Iso-Footcandle Lines of Horizontal Illumination



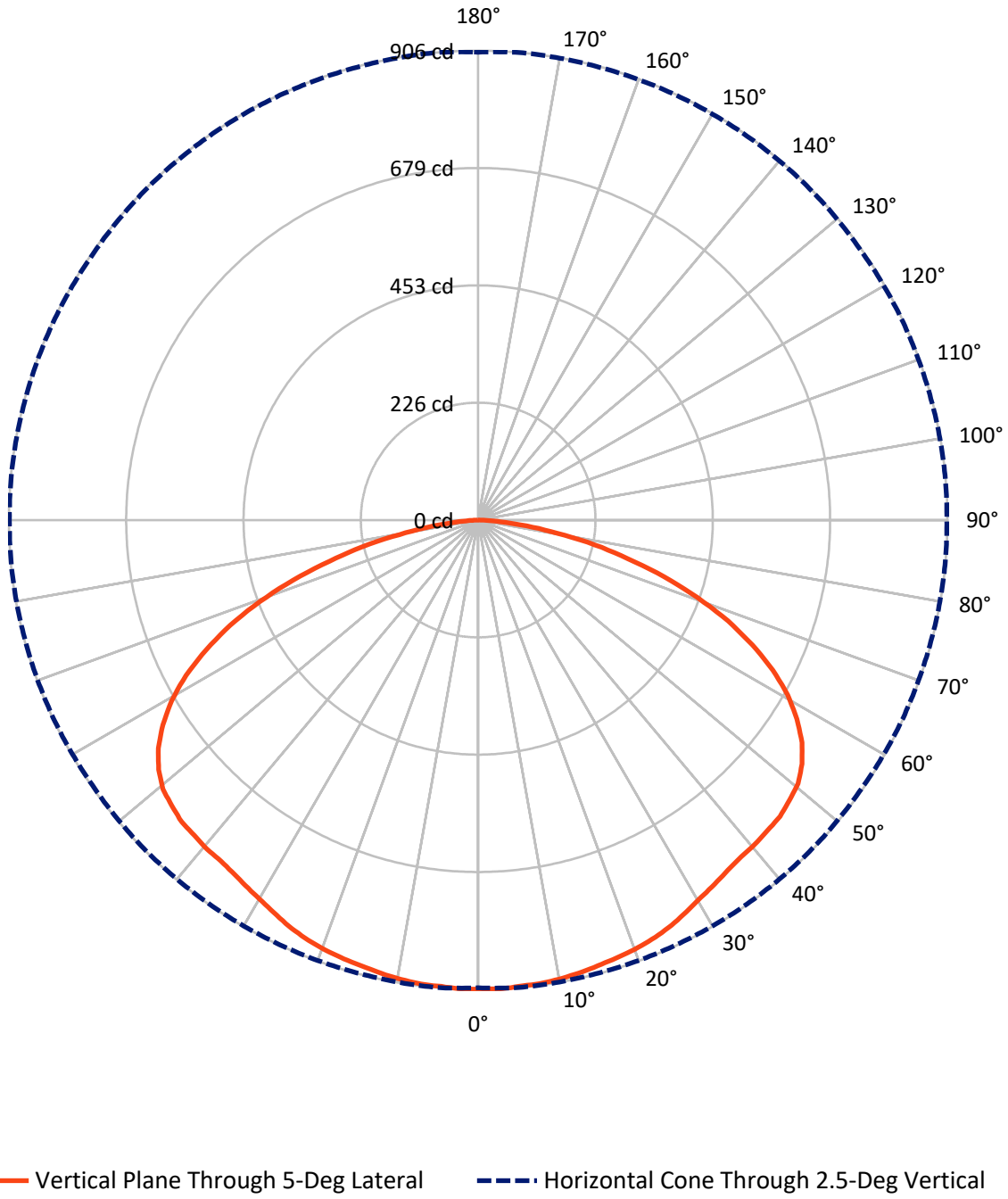
Based on 15 foot mounting height. Maximum calculated value = 4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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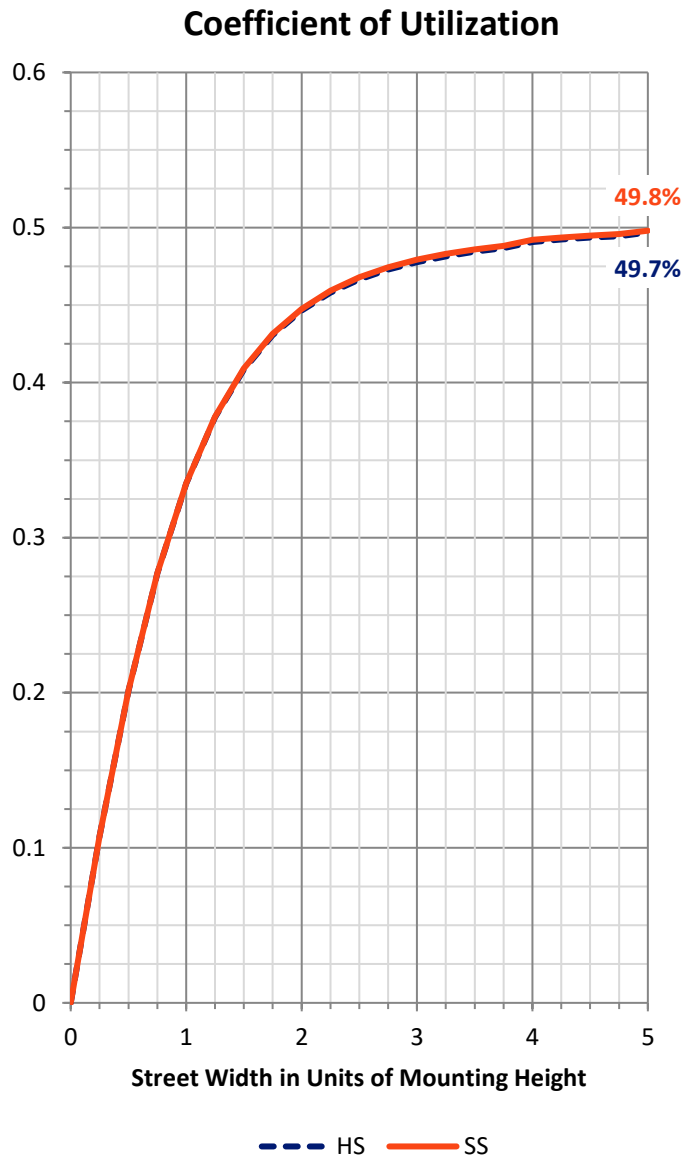
REPORT NUMBER: P821190
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1809.5	0.0	1809.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1809.5	0.0	1809.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3619.0	0.0	3619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	2.4
10°-20°	252.2	7.0
20°-30°	401.0	11.1
30°-40°	527.6	14.6
40°-50°	645.7	17.8
50°-60°	699.4	19.3
60°-70°	601.7	16.6
70°-80°	338.3	9.3
80°-90°	67.1	1.9
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°	3619.0	100.0
0°-180°	3619.0	100.0



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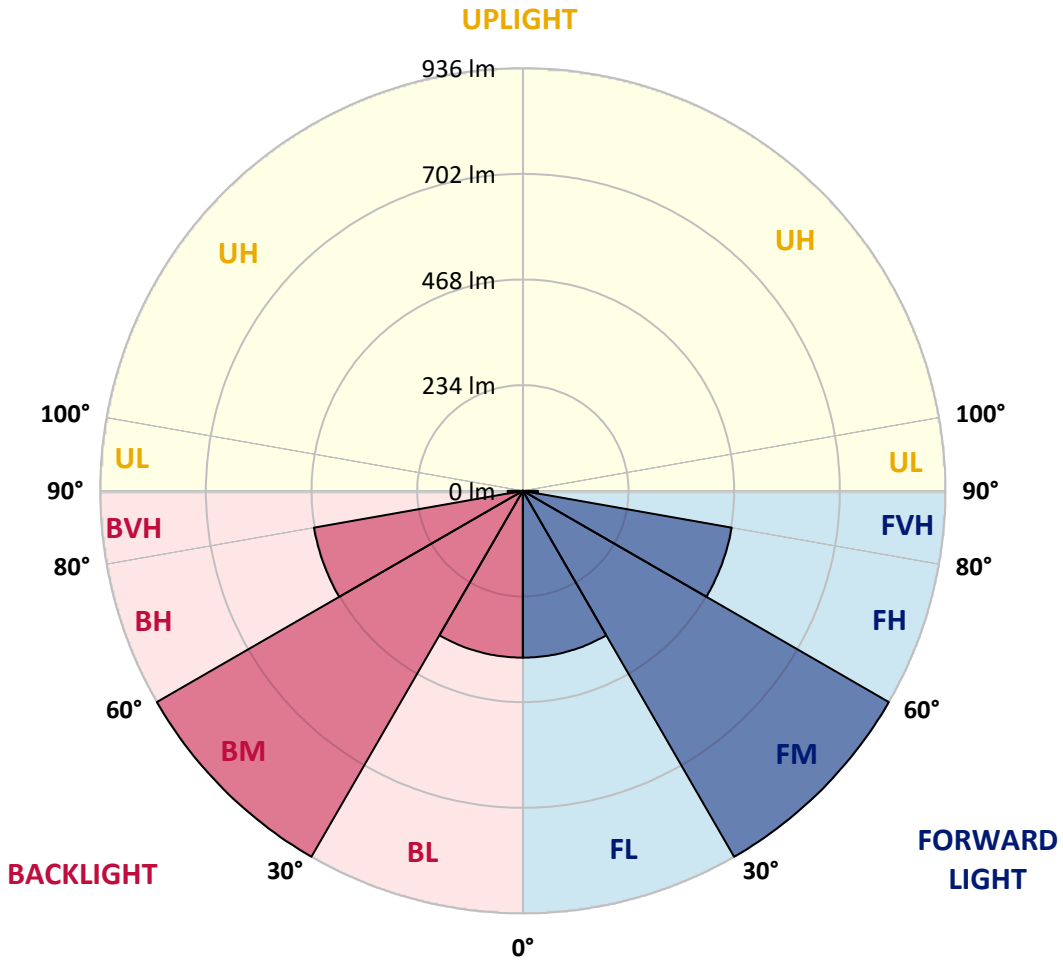
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	369.7	10.2			
FM	(30°-60°)	936.3	25.9			
FH	(60°-80°)	470.0	13.0			G0/660
FVH	(80°-90°)	33.5	0.9			G1/100
BL	(0°-30°)	369.7	10.2	B1/500		
BM	(30°-60°)	936.3	25.9	B1/1000		
BH	(60°-80°)	470.0	13.0	B1/500		G0/660
BVH	(80°-90°)	33.5	0.9			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4	905.4
2.5°	903.1	905.9	904.8	904.8	904.8	904.8	903.6	904.8	904.8	905.4	904.8
5°	903.6	903.1	903.1	903.6	903.6	904.2	903.1	903.6	904.2	904.2	904.8
7.5°	901.9	902.5	901.3	902.5	901.3	901.9	901.9	902.5	901.9	902.5	903.6
10°	898.5	899.0	898.5	898.5	898.5	899.6	897.3	899.0	898.5	899.0	898.5
12.5°	892.1	895.0	893.8	895.0	895.0	895.0	893.3	894.4	895.0	895.0	895.0
15°	889.2	889.8	888.1	890.4	891.0	891.5	889.2	890.4	890.4	891.0	891.5
17.5°	882.9	885.8	885.2	886.9	886.4	888.1	887.5	886.9	886.4	887.5	886.4
20°	878.3	881.2	880.6	882.3	882.9	884.6	882.9	882.9	881.2	881.8	883.5
22.5°	873.7	874.8	874.8	876.6	876.6	878.3	876.6	876.0	876.0	875.4	877.1
25°	866.2	866.8	866.2	867.9	869.1	870.2	869.7	868.5	867.9	867.9	867.4
27.5°	854.1	856.4	857.6	859.9	860.4	862.2	859.9	859.9	858.7	857.6	858.1
30°	844.9	846.0	846.0	851.2	851.2	854.1	851.2	850.7	850.1	849.5	848.4
32.5°	836.3	838.0	839.7	843.7	846.6	847.8	846.0	844.9	842.0	840.3	839.7
35°	829.3	829.9	833.4	839.1	842.6	845.5	843.2	840.3	836.3	833.4	835.7
37.5°	824.2	824.7	829.9	837.4	843.7	846.0	842.6	838.0	831.6	828.2	827.0
40°	819.6	823.0	828.8	839.1	846.0	849.5	846.6	840.3	831.1	824.2	823.6
42.5°	817.2	819.0	827.6	839.7	849.5	854.1	850.1	841.4	829.9	821.9	821.3
45°	811.5	816.7	824.7	840.3	851.2	857.0	851.2	840.3	826.5	817.2	815.5
47.5°	806.9	808.6	821.3	839.1	852.4	857.0	851.2	837.4	820.1	808.0	806.9
50°	795.9	800.0	812.6	831.6	847.2	851.8	844.9	826.5	806.9	793.6	791.3
52.5°	779.2	782.7	797.7	821.3	836.3	841.4	831.1	811.5	788.5	772.3	772.3
55°	753.3	758.5	774.1	798.2	817.2	821.9	809.8	789.0	763.1	747.0	746.4
57.5°	722.2	725.7	742.4	768.9	787.3	794.2	782.1	759.1	733.2	714.2	712.4
60°	681.9	686.5	704.4	729.7	748.7	754.5	744.1	721.1	694.6	674.4	674.4
62.5°	633.5	638.7	656.6	682.5	702.1	710.7	696.3	674.4	646.8	627.2	625.5
65°	577.1	581.7	597.8	624.9	645.0	651.4	640.4	617.4	590.9	572.5	570.8
67.5°	513.7	520.1	536.2	559.2	576.5	584.6	577.7	556.9	529.3	510.3	508.5
70°	445.2	449.8	462.5	483.8	503.4	509.1	498.8	484.9	459.0	441.7	439.4
72.5°	372.1	376.1	386.5	406.6	420.4	427.9	422.2	404.3	383.6	369.2	371.5
75°	298.3	297.8	309.3	323.7	336.3	341.5	337.5	326.0	307.0	294.9	294.3
77.5°	224.6	230.4	234.4	246.5	256.9	260.9	255.1	245.9	231.5	221.7	223.5
80°	157.8	154.4	161.8	169.3	176.2	180.3	176.8	171.6	161.8	154.4	153.2
82.5°	96.8	93.9	97.3	104.2	108.9	110.0	110.6	104.2	100.2	94.5	95.6
85°	42.6	43.2	46.1	50.7	51.3	51.8	51.8	50.7	46.1	45.5	44.3
87.5°	10.4	10.4	10.9	12.7	12.7	13.2	13.2	11.5	10.9	9.8	10.4
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)