

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: P197558

Luminaire Tested: **TT-C1-LED-E1-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3981 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - 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

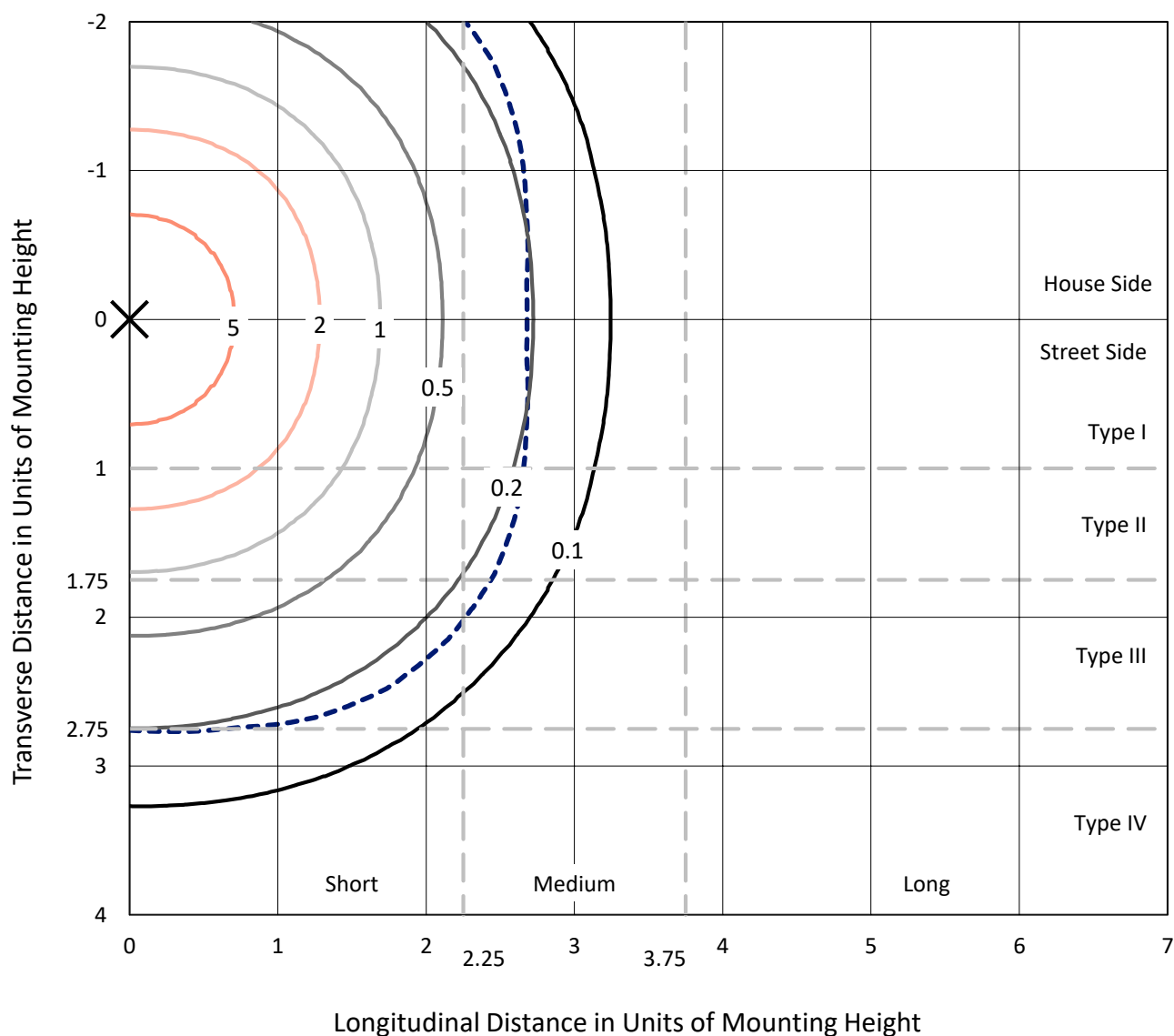


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

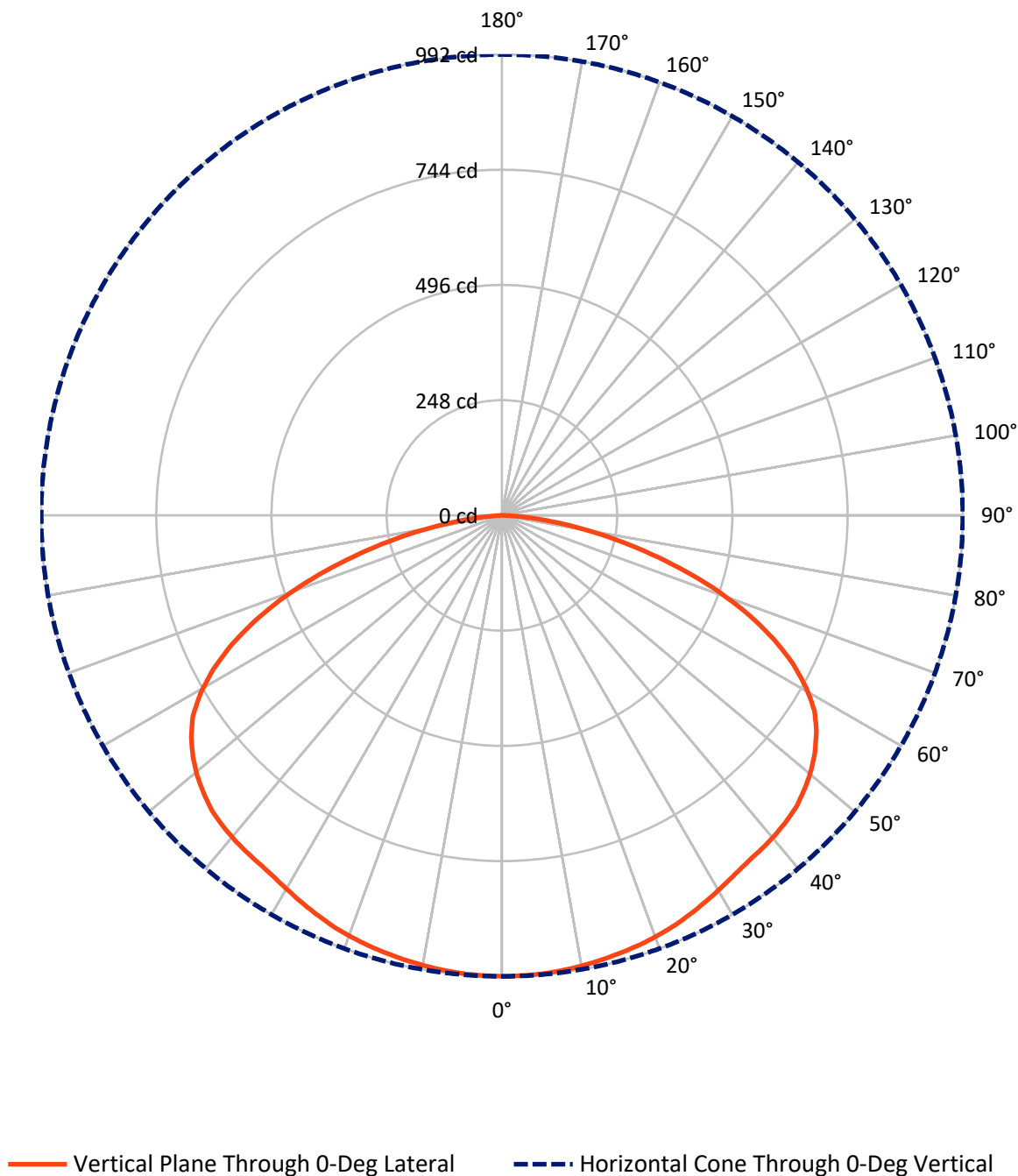


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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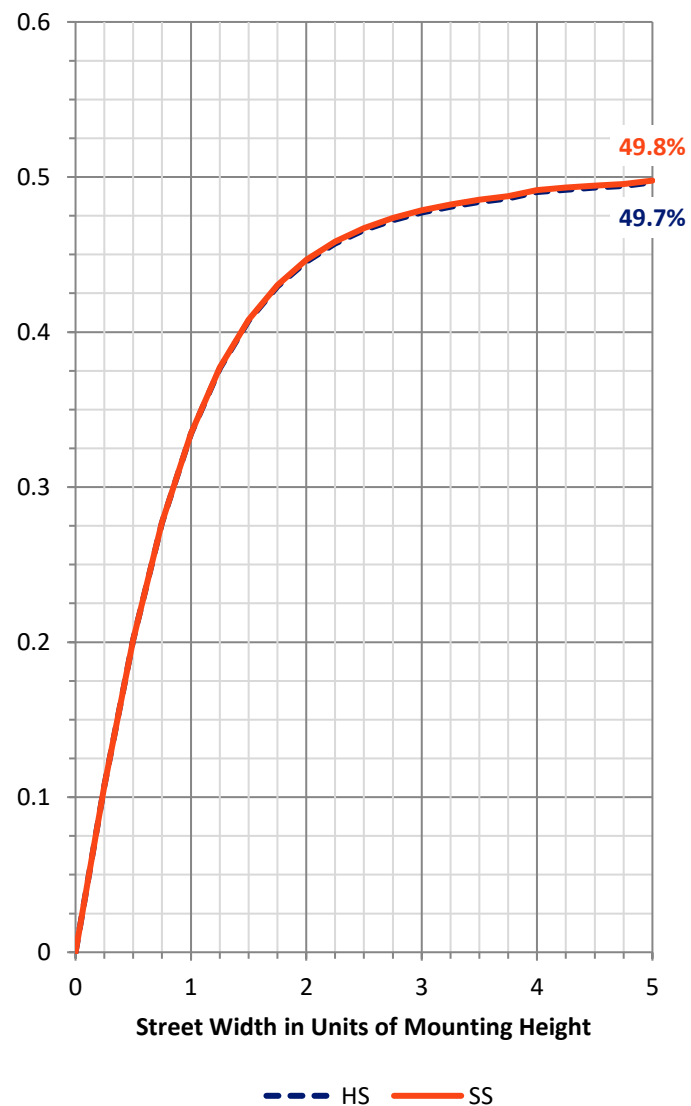
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1990.5	0.0	1990.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1990.5	0.0	1990.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3981.0	0.0	3981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	2.4
10°-20°	276.1	6.9
20°-30°	439.2	11.0
30°-40°	580.9	14.6
40°-50°	708.8	17.8
50°-60°	765.5	19.2
60°-70°	662.9	16.7
70°-80°	375.9	9.4
80°-90°	77.3	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°	3981.0	100.0
0°-180°	3981.0	100.0

Coefficient of Utilization



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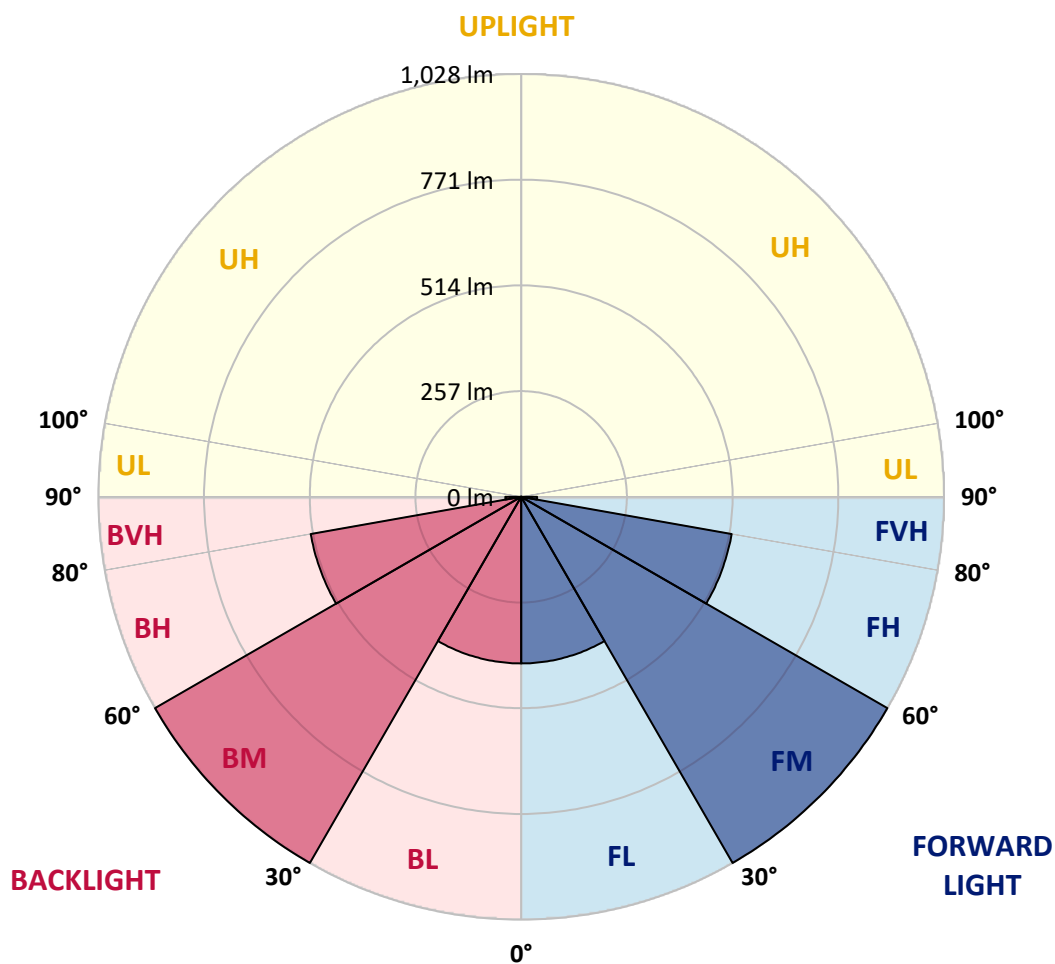
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.8	10.2			
FM	(30°-60°)	1027.6	25.8			
FH	(60°-80°)	519.4	13.0			G0/660
FVH	(80°-90°)	38.7	1.0			G1/100
BL	(0°-30°)	404.8	10.2	B1/500		
BM	(30°-60°)	1027.6	25.8	B2/2500		
BH	(60°-80°)	519.4	13.0	B2/1000		G0/660
BVH	(80°-90°)	38.7	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1	992.1
2.5°	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4
5°	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1
7.5°	987.3	987.3	987.3	987.3	987.3	988.0	987.3	987.3	987.3	987.3	988.0
10°	983.9	983.9	984.6	984.6	983.9	983.9	983.9	983.9	983.9	983.9	983.9
12.5°	979.8	979.8	979.8	979.8	979.8	979.8	979.8	979.8	979.1	979.1	979.1
15°	975.0	975.0	975.0	975.7	975.7	975.7	975.7	975.0	974.3	973.6	974.3
17.5°	970.2	970.2	970.9	971.6	971.6	971.6	971.6	970.2	969.5	968.8	968.8
20°	964.0	964.7	964.7	965.4	966.1	966.1	966.1	965.4	964.0	962.6	962.6
22.5°	957.2	957.9	958.5	959.2	959.9	959.2	959.2	958.5	957.2	956.5	955.8
25°	948.3	948.3	949.6	951.0	951.7	951.7	951.7	950.3	948.9	948.3	947.6
27.5°	939.4	939.4	940.7	942.8	943.5	944.2	942.8	942.1	940.0	938.7	938.7
30°	929.8	929.8	931.8	934.6	936.6	937.3	936.6	933.9	931.1	929.8	929.8
32.5°	920.9	921.5	923.6	927.7	931.1	932.5	931.8	928.4	925.0	922.2	921.5
35°	914.0	914.7	918.8	923.6	929.1	931.1	929.1	925.7	920.2	916.1	916.1
37.5°	909.9	909.9	915.4	923.6	929.8	932.5	929.8	925.0	917.4	911.9	911.9
40°	905.1	906.5	913.3	923.6	932.5	936.6	933.2	926.3	916.7	909.9	909.2
42.5°	898.9	901.0	908.5	922.2	933.2	939.4	935.9	927.7	916.1	908.5	907.8
45°	890.7	891.4	901.0	917.4	931.8	940.0	937.3	927.0	914.0	905.1	903.7
47.5°	877.7	879.1	890.7	909.9	927.7	936.6	934.6	922.9	906.5	896.2	894.1
50°	862.6	864.0	877.7	899.6	919.5	929.8	926.3	911.9	894.1	880.4	879.1
52.5°	844.1	846.9	861.9	886.6	907.8	917.4	911.9	893.4	872.9	857.8	856.5
55°	821.5	824.2	841.4	867.4	888.7	896.2	888.7	866.7	844.8	827.7	824.2
57.5°	793.4	795.5	811.9	839.3	859.9	866.0	856.5	833.8	807.8	789.3	787.2
60°	752.3	755.0	774.2	799.6	820.1	827.7	818.1	790.7	762.6	744.1	743.4
62.5°	703.0	707.8	724.2	751.6	770.1	780.4	767.4	739.3	711.2	690.0	690.0
65°	643.4	646.8	664.6	691.3	709.1	718.0	705.0	679.0	648.2	629.7	627.6
67.5°	574.8	577.6	593.3	620.8	639.9	647.5	633.1	608.4	579.6	559.8	557.7
70°	498.8	502.9	514.6	539.9	557.0	561.1	550.2	526.9	500.9	483.0	481.7
72.5°	415.9	419.3	434.4	454.3	468.0	469.3	462.5	445.4	418.6	404.2	402.2
75°	330.9	336.4	349.4	366.6	376.8	376.8	372.7	360.4	337.1	326.1	326.1
77.5°	250.8	253.5	267.2	278.9	287.1	291.2	286.4	275.4	256.9	249.4	245.3
80°	174.7	177.5	183.6	192.5	200.8	203.5	198.0	189.1	178.8	173.3	170.6
82.5°	106.9	109.6	113.1	117.8	123.3	126.1	122.6	117.2	108.3	107.6	106.9
85°	51.4	52.8	55.5	56.9	59.6	60.3	61.0	58.2	55.5	52.1	53.4
87.5°	15.8	15.8	16.4	17.1	18.5	18.5	18.5	17.8	16.4	15.8	15.8
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)