

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-E1-5CQ-PM**

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-E1-5CQ-PM
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

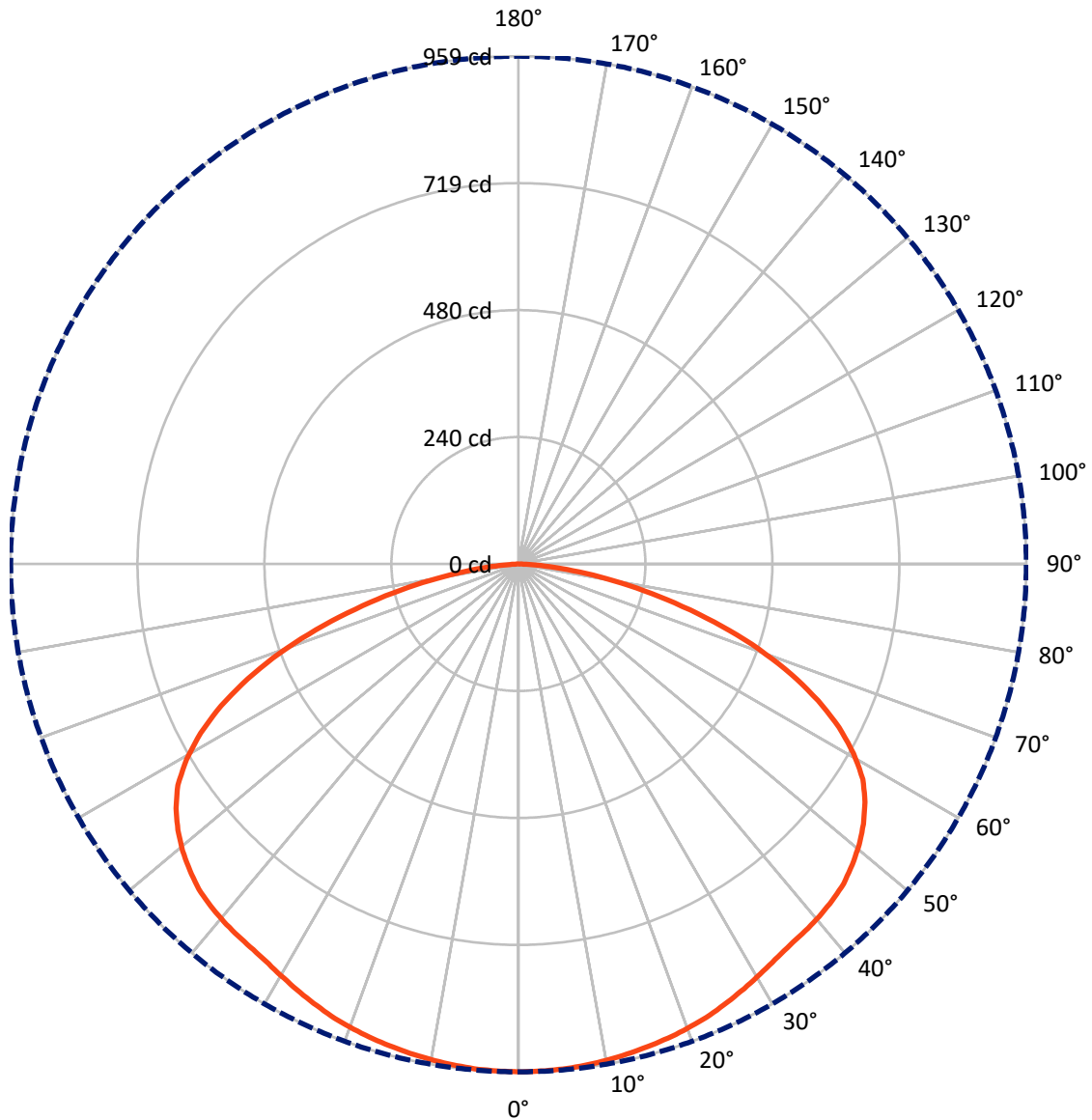
Lumens per Lamp: N/A
Luminaire Lumens: 3848.1 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

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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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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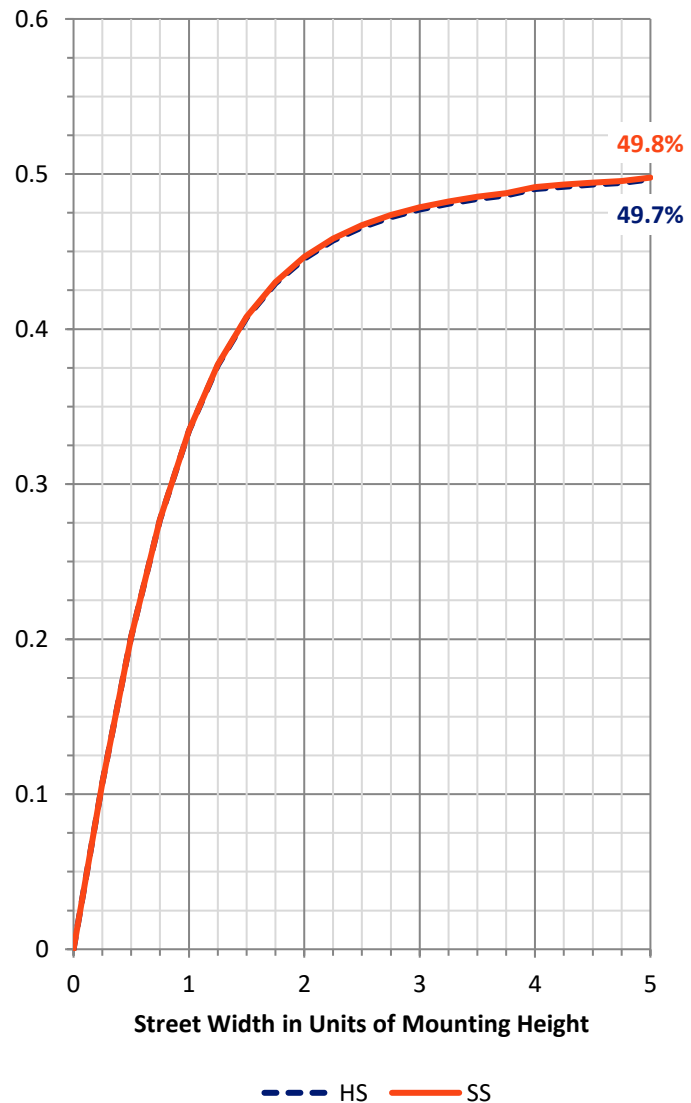
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1924.1	0.0	1924.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1924.1	0.0	1924.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3848.1	0.0	3848.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.4
10°-20°	266.9	6.9
20°-30°	424.6	11.0
30°-40°	561.5	14.6
40°-50°	685.2	17.8
50°-60°	740.0	19.2
60°-70°	640.8	16.7
70°-80°	363.3	9.4
80°-90°	74.7	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°	3848.1	100.0
0°-180°	3848.1	100.0



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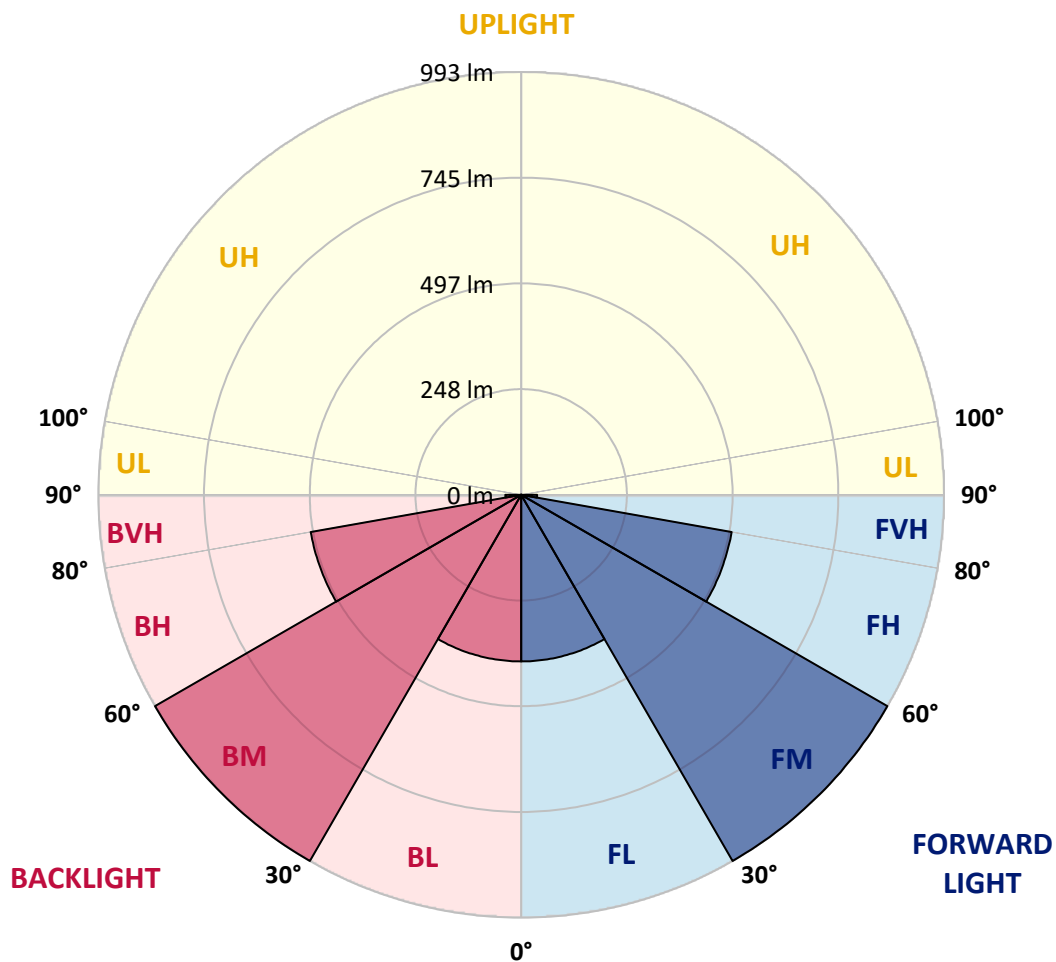
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.3	10.2			
FM	(30°-60°)	993.3	25.8			
FH	(60°-80°)	502.1	13.0			G0/660
FVH	(80°-90°)	37.4	1.0			G1/100
BL	(0°-30°)	391.3	10.2	B1/500		
BM	(30°-60°)	993.3	25.8	B1/1000		
BH	(60°-80°)	502.1	13.0	B2/1000		G0/660
BVH	(80°-90°)	37.4	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°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	958.3	958.3	958.3	958.3	958.3	958.3	958.3	958.3	958.3	958.3	958.3
5°	957.1	957.1	957.1	957.1	957.1	957.1	957.1	957.1	957.1	957.1	957.1
7.5°	954.4	954.4	954.4	954.4	954.4	955.0	954.4	954.4	954.4	954.4	955.0
10°	951.1	951.1	951.7	951.7	951.1	951.1	951.1	951.1	951.1	951.1	951.1
12.5°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	946.4	946.4	946.4
15°	942.5	942.5	942.5	943.1	943.1	943.1	943.1	942.5	941.8	941.1	941.8
17.5°	937.8	937.8	938.5	939.2	939.2	939.2	939.2	937.8	937.1	936.5	936.5
20°	931.8	932.5	932.5	933.2	933.9	933.9	933.9	933.2	931.8	930.5	930.5
22.5°	925.3	925.9	926.5	927.2	927.9	927.2	927.2	926.5	925.3	924.6	923.9
25°	916.7	916.7	917.9	919.3	919.9	919.9	919.9	918.6	917.2	916.7	916.0
27.5°	908.1	908.1	909.3	911.3	912.0	912.7	911.3	910.7	908.6	907.4	907.4
30°	898.8	898.8	900.7	903.4	905.3	906.0	905.3	902.7	900.0	898.8	898.8
32.5°	890.2	890.7	892.8	896.7	900.0	901.4	900.7	897.4	894.1	891.4	890.7
35°	883.5	884.2	888.1	892.8	898.1	900.0	898.1	894.8	889.5	885.5	885.5
37.5°	879.5	879.5	884.9	892.8	898.8	901.4	898.8	894.1	886.8	881.5	881.5
40°	874.9	876.3	882.8	892.8	901.4	905.3	902.1	895.4	886.1	879.5	878.9
42.5°	868.9	870.9	878.2	891.4	902.1	908.1	904.7	896.7	885.5	878.2	877.5
45°	861.0	861.7	870.9	886.8	900.7	908.6	906.0	896.1	883.5	874.9	873.5
47.5°	848.4	849.8	861.0	879.5	896.7	905.3	903.4	892.1	876.3	866.3	864.3
50°	833.8	835.2	848.4	869.6	888.8	898.8	895.4	881.5	864.3	851.0	849.8
52.5°	815.9	818.6	833.1	857.0	877.5	886.8	881.5	863.6	843.8	829.2	827.9
55°	794.1	796.7	813.3	838.5	859.0	866.3	859.0	837.8	816.6	800.1	796.7
57.5°	766.9	769.0	784.8	811.3	831.2	837.1	827.9	806.0	780.8	763.0	760.9
60°	727.2	729.8	748.4	772.9	792.7	800.1	790.8	764.3	737.2	719.3	718.6
62.5°	679.5	684.2	700.0	726.5	744.4	754.4	741.8	714.6	687.5	667.0	667.0
65°	621.9	625.2	642.4	668.2	685.4	694.0	681.5	656.3	626.6	608.7	606.7
67.5°	555.6	558.3	573.5	600.1	618.5	625.9	612.0	588.1	560.3	541.1	539.1
70°	482.2	486.1	497.4	521.9	538.4	542.4	531.8	509.3	484.2	466.9	465.6
72.5°	402.0	405.3	419.9	439.1	452.4	453.6	447.1	430.5	404.6	390.7	388.8
75°	319.9	325.2	337.7	354.4	364.2	364.2	360.3	348.4	325.9	315.2	315.2
77.5°	242.4	245.0	258.3	269.6	277.5	281.5	276.8	266.2	248.3	241.1	237.1
80°	168.9	171.6	177.5	186.1	194.1	196.7	191.4	182.8	172.8	167.5	164.9
82.5°	103.3	105.9	109.3	113.9	119.2	121.9	118.5	113.3	104.7	104.0	103.3
85°	49.7	51.0	53.6	55.0	57.6	58.3	59.0	56.3	53.6	50.4	51.6
87.5°	15.3	15.3	15.9	16.5	17.9	17.9	17.9	17.2	15.9	15.3	15.3
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)