

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: P197561

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197561  
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-C2-LED-E1-5CQ-PM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3997.1 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

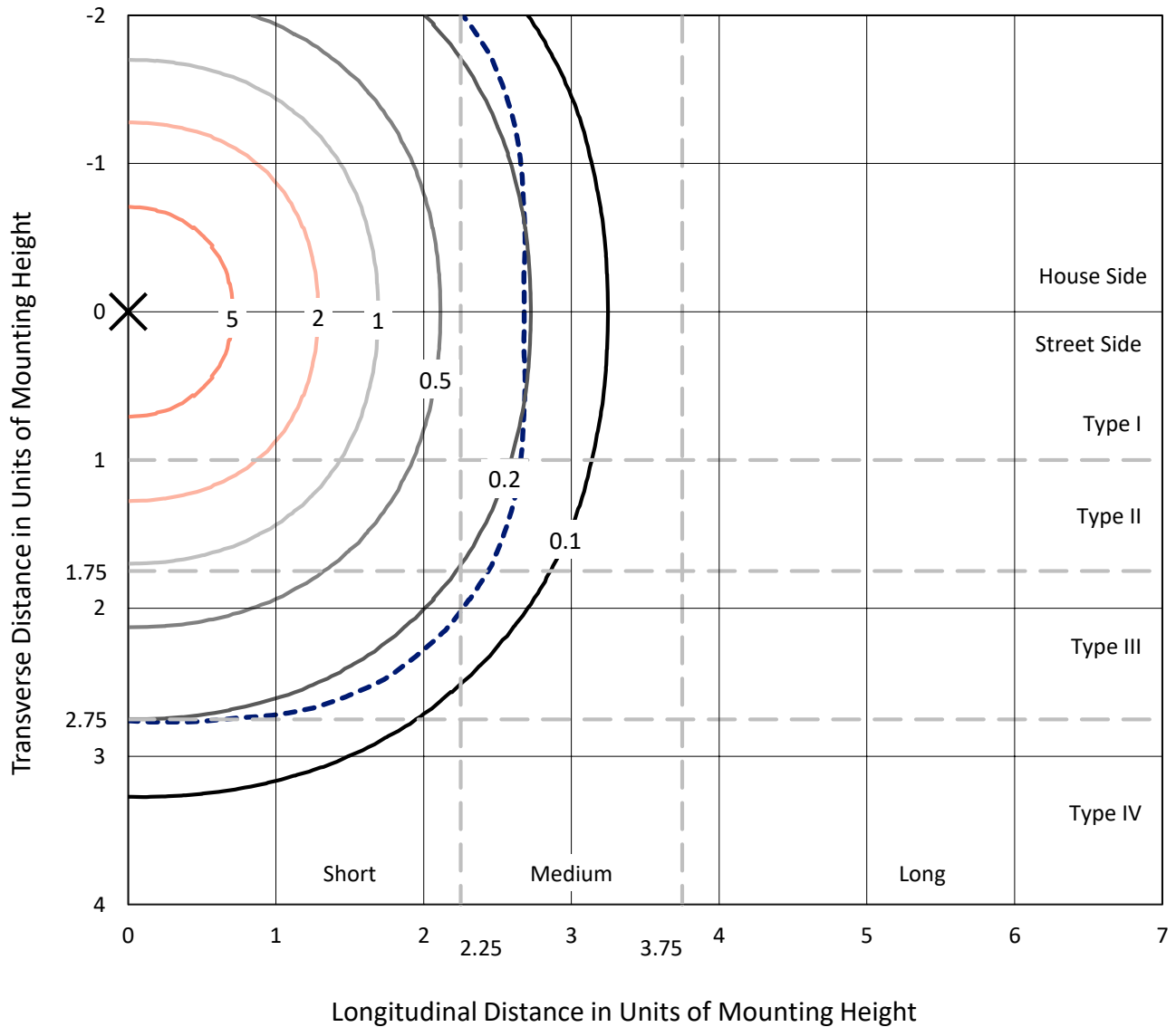
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

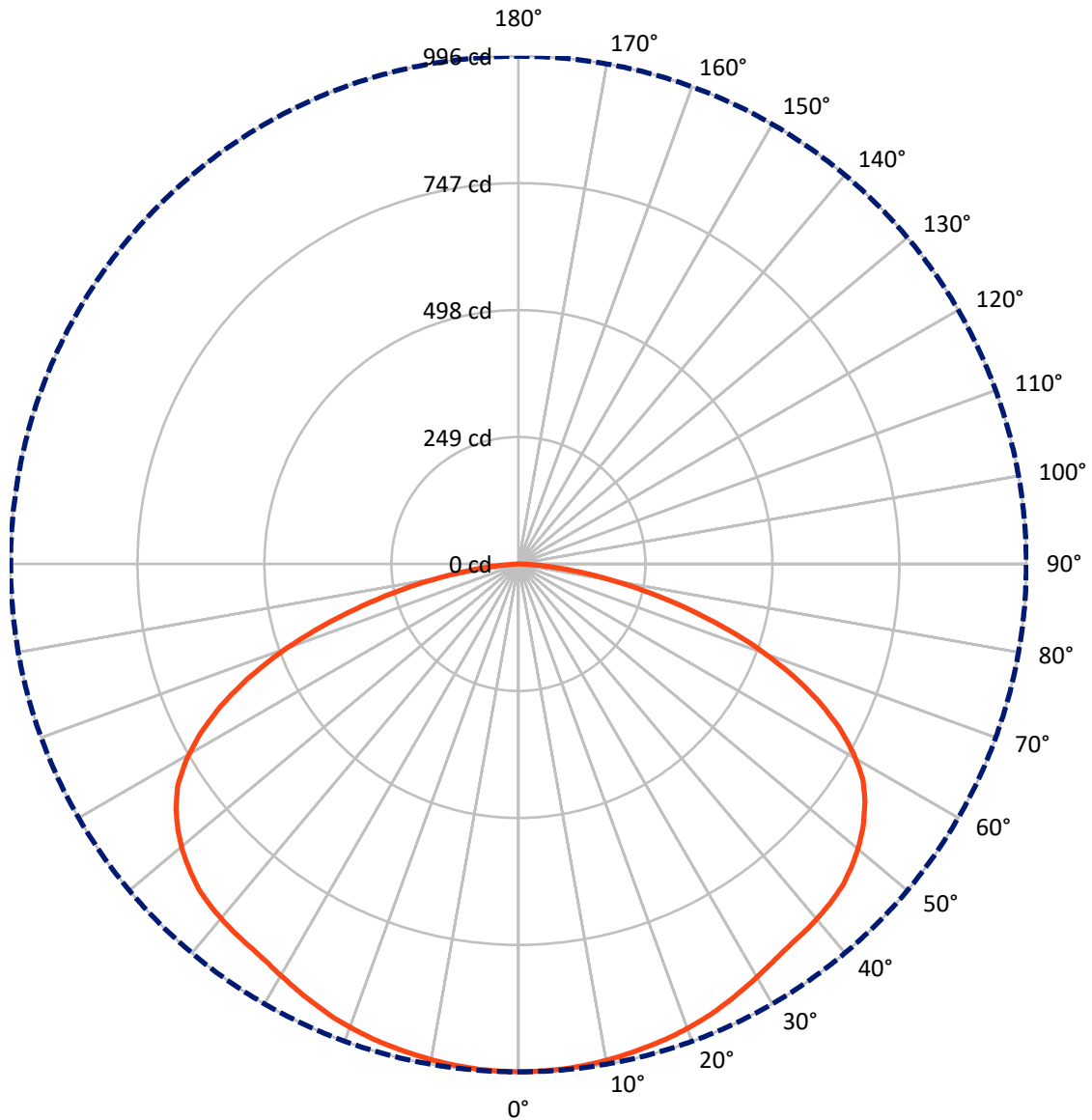
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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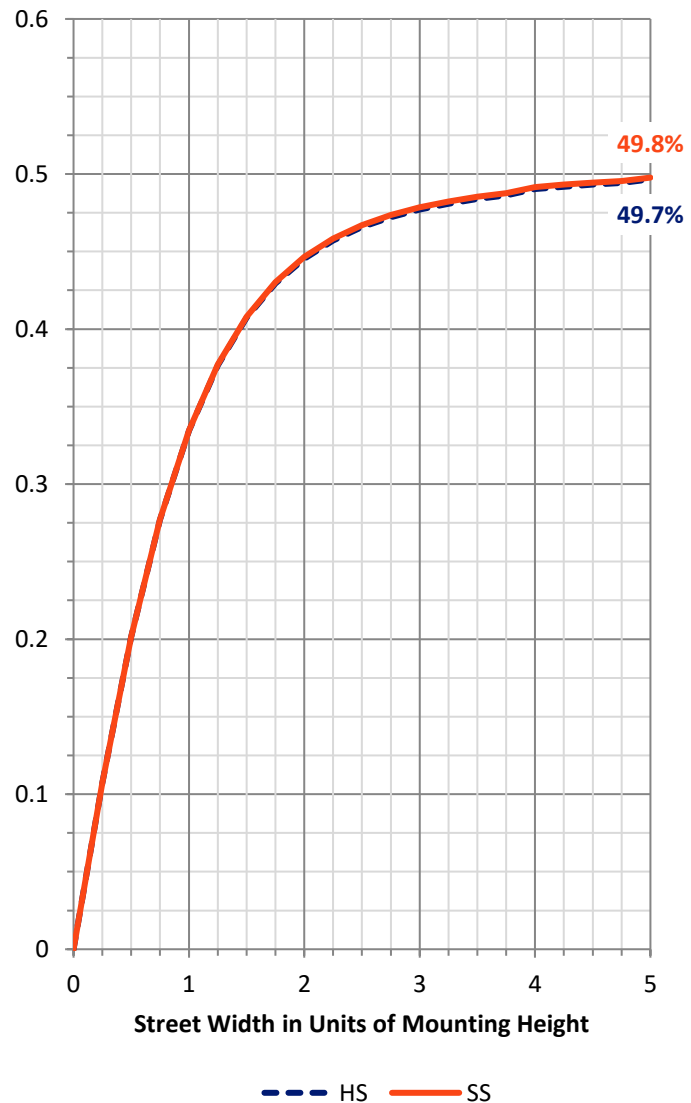
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1998.6	0.0	1998.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1998.6	0.0	1998.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3997.1	0.0	3997.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.7	2.4
10°-20°	277.2	6.9
20°-30°	441.0	11.0
30°-40°	583.3	14.6
40°-50°	711.7	17.8
50°-60°	768.6	19.2
60°-70°	665.6	16.7
70°-80°	377.4	9.4
80°-90°	77.6	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°	3997.1	100.0
0°-180°	3997.1	100.0



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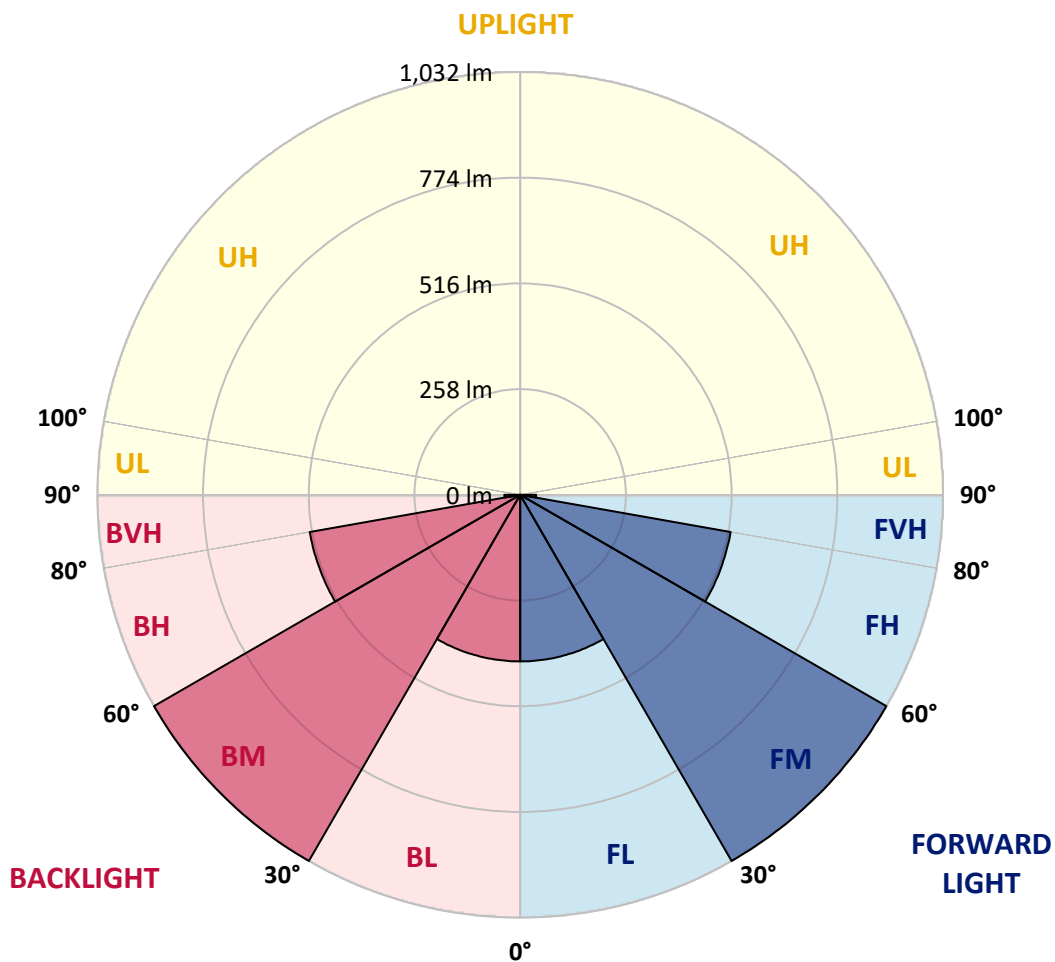
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.5	10.2			
FM	(30°-60°)	1031.8	25.8			
FH	(60°-80°)	521.5	13.0			G0/660
FVH	(80°-90°)	38.8	1.0			G1/100
BL	(0°-30°)	406.5	10.2	B1/500		
BM	(30°-60°)	1031.8	25.8	B2/2500		
BH	(60°-80°)	521.5	13.0	B2/1000		G0/660
BVH	(80°-90°)	38.8	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°	996.1	996.1	996.1	996.1	996.1	996.1	996.1	996.1	996.1	996.1	996.1
2.5°	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4
5°	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1	994.1
7.5°	991.3	991.3	991.3	991.3	991.3	992.1	991.3	991.3	991.3	991.3	992.1
10°	987.9	987.9	988.6	988.6	987.9	987.9	987.9	987.9	987.9	987.9	987.9
12.5°	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.7	983.1	983.1	983.1
15°	978.9	978.9	978.9	979.7	979.7	979.7	979.7	978.9	978.2	977.6	978.2
17.5°	974.2	974.2	974.8	975.5	975.5	975.5	975.5	974.2	973.4	972.7	972.7
20°	968.0	968.7	968.7	969.3	970.0	970.0	970.0	969.3	968.0	966.5	966.5
22.5°	961.0	961.7	962.5	963.2	963.8	963.2	963.2	962.5	961.0	960.3	959.7
25°	952.1	952.1	953.5	954.8	955.5	955.5	955.5	954.2	952.8	952.1	951.5
27.5°	943.1	943.1	944.6	946.6	947.3	948.0	946.6	945.9	943.8	942.5	942.5
30°	933.6	933.6	935.6	938.3	940.4	941.1	940.4	937.6	934.9	933.6	933.6
32.5°	924.6	925.3	927.4	931.4	934.9	936.3	935.6	932.1	928.7	925.9	925.3
35°	917.7	918.4	922.6	927.4	932.9	934.9	932.9	929.4	923.9	919.7	919.7
37.5°	913.6	913.6	919.1	927.4	933.6	936.3	933.6	928.7	921.2	915.7	915.7
40°	908.7	910.2	917.0	927.4	936.3	940.4	937.0	930.1	920.4	913.6	912.9
42.5°	902.5	904.7	912.2	925.9	937.0	943.1	939.8	931.4	919.7	912.2	911.5
45°	894.3	895.0	904.7	921.2	935.6	943.8	941.1	930.8	917.7	908.7	907.4
47.5°	881.3	882.6	894.3	913.6	931.4	940.4	938.3	926.7	910.2	899.8	897.8
50°	866.1	867.5	881.3	903.3	923.2	933.6	930.1	915.7	897.8	884.0	882.6
52.5°	847.5	850.3	865.4	890.2	911.5	921.2	915.7	897.0	876.4	861.3	859.9
55°	824.8	827.6	844.8	870.9	892.3	899.8	892.3	870.3	848.2	831.0	827.6
57.5°	796.6	798.7	815.3	842.7	863.4	869.6	859.9	837.2	811.1	792.5	790.4
60°	755.3	758.1	777.4	802.8	823.5	831.0	821.4	793.9	765.7	747.1	746.4
62.5°	705.8	710.7	727.2	754.6	773.2	783.6	770.5	742.3	714.0	692.8	692.8
65°	646.0	649.4	667.3	694.1	712.0	721.0	707.9	681.8	650.8	632.2	630.1
67.5°	577.2	580.0	595.7	623.3	642.5	650.2	635.7	610.9	582.0	562.1	560.0
70°	500.8	505.0	516.7	542.1	559.3	563.4	552.4	529.0	502.8	485.0	483.6
72.5°	417.6	421.1	436.1	456.2	469.9	471.2	464.4	447.2	420.3	405.9	403.9
75°	332.2	337.7	350.9	368.1	378.3	378.3	374.3	361.9	338.5	327.5	327.5
77.5°	251.8	254.5	268.3	280.0	288.2	292.4	287.6	276.6	258.0	250.5	246.3
80°	175.4	178.1	184.3	193.3	201.5	204.3	198.8	189.8	179.6	174.1	171.3
82.5°	107.3	110.1	113.5	118.3	123.8	126.6	123.1	117.6	108.6	108.0	107.3
85°	51.6	53.0	55.7	57.1	59.8	60.5	61.2	58.5	55.7	52.3	53.6
87.5°	15.9	15.9	16.5	17.2	18.6	18.6	18.6	17.9	16.5	15.9	15.9
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)