

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: STREETWORKS

Report Number: P200010

Luminaire Tested: **GAP-AF-02-LED-U-SLR-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SLR-7030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11582.6 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 129
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: 28.75 FT



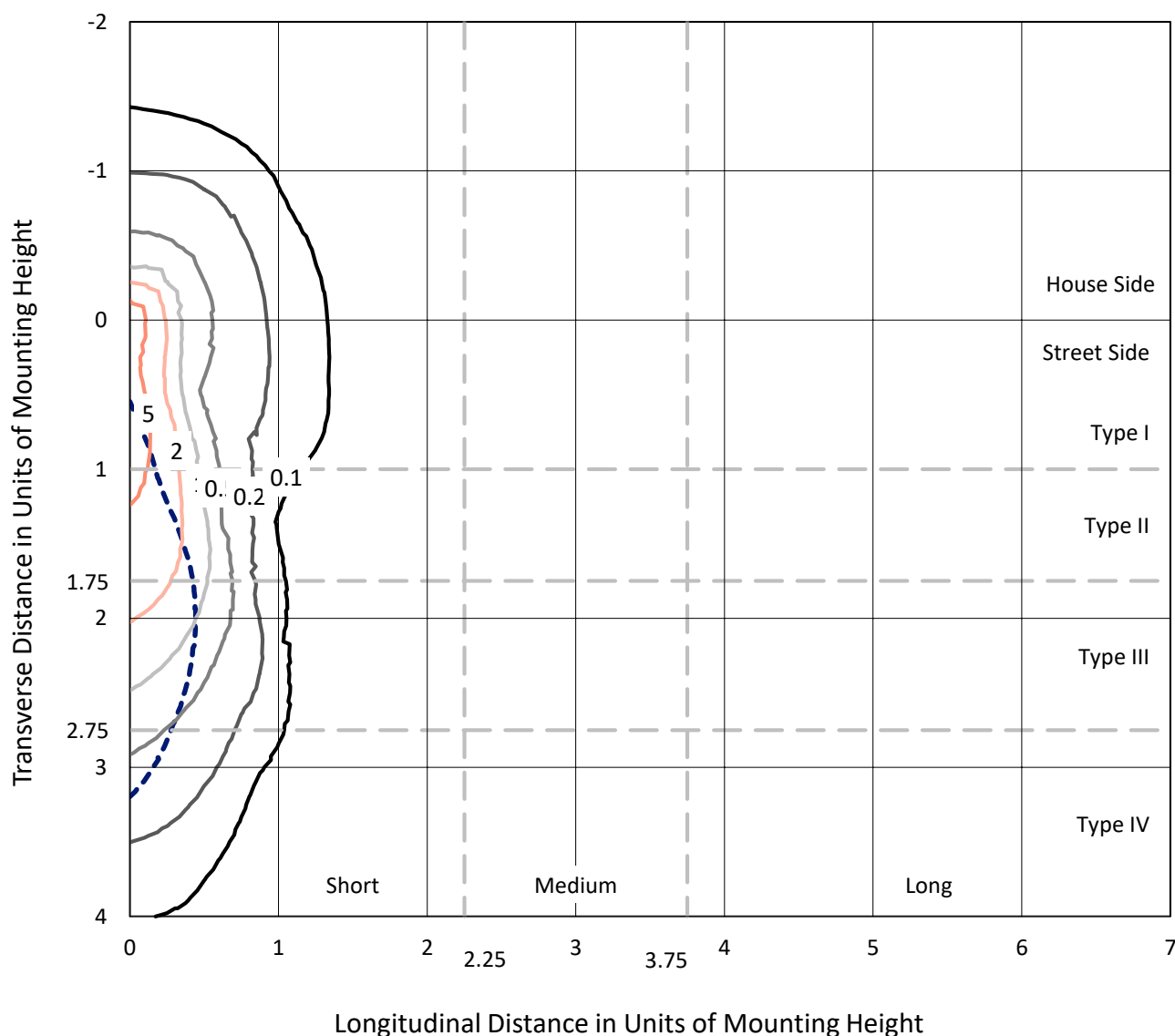
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

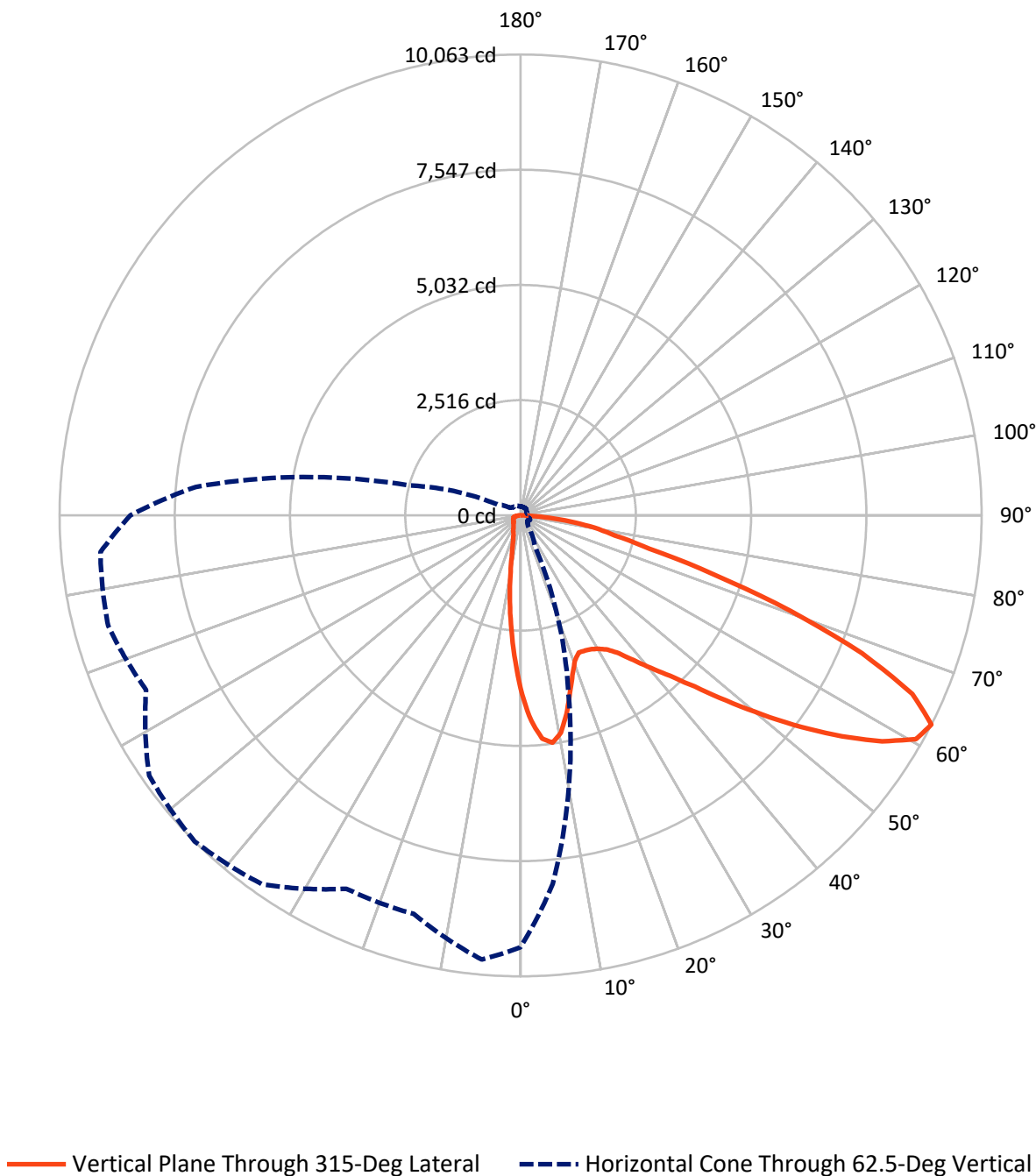


Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.7	0.0	1916.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9665.8	0.0	9665.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	11582.6	0.0	11582.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.9	2.5
10°-20°	522.4	4.5
20°-30°	761.6	6.6
30°-40°	1173.0	10.1
40°-50°	1726.3	14.9
50°-60°	2532.1	21.9
60°-70°	2830.6	24.4
70°-80°	1385.8	12.0
80°-90°	365.9	3.2
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°	11582.6	100.0
0°-180°	11582.6	100.0

Coefficient of Utilization

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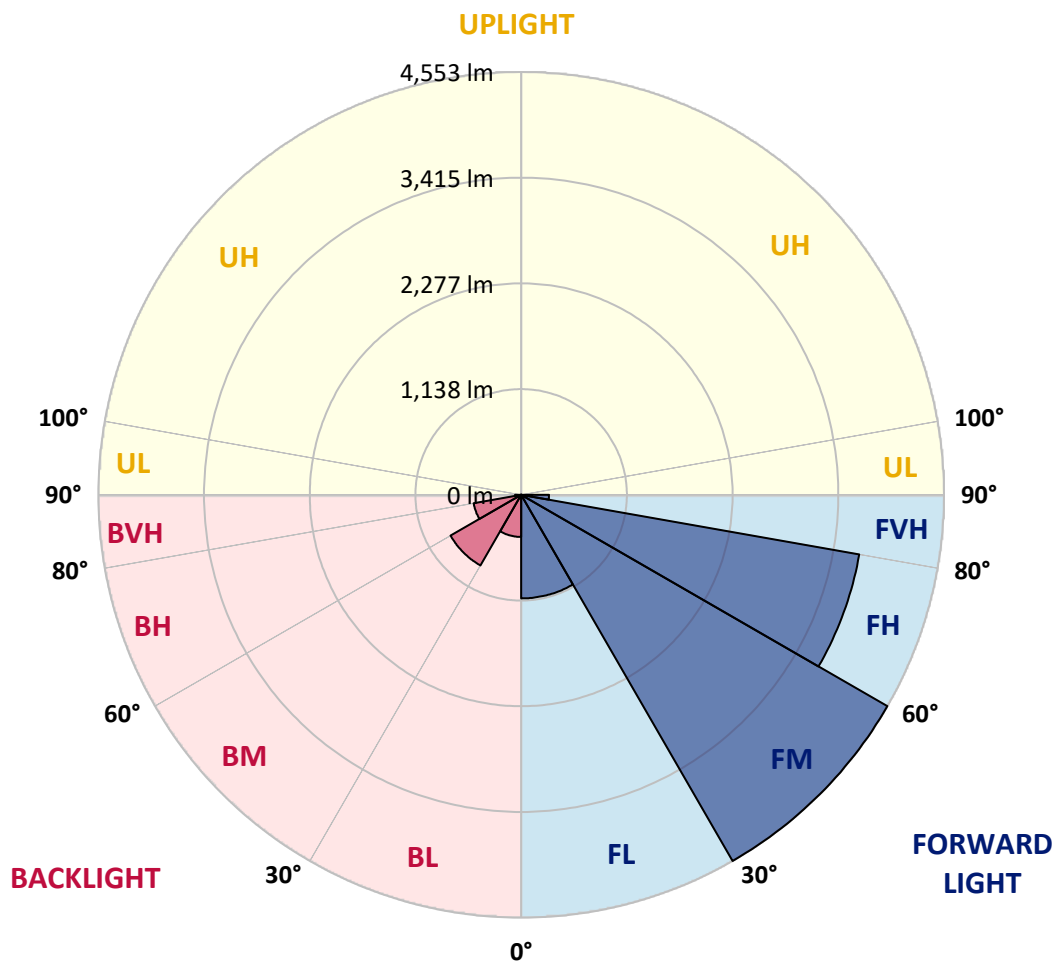
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1115.4	9.6			
FM	(30°-60°)	4553.2	39.3			
FH	(60°-80°)	3696.8	31.9			G2/5000
FVH	(80°-90°)	300.5	2.6			G3/500
BL	(0°-30°)	453.5	3.9	B1/500		
BM	(30°-60°)	878.2	7.6	B1/1000		
BH	(60°-80°)	519.6	4.5	B2/1000		G2/1000
BVH	(80°-90°)	65.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	4066.0	3983.3	3845.7	3702.5	3615.3	3513.3	3433.8	3363.8	3223.7	3196.3	3221.1
5°	3823.4	3657.2	3398.1	3137.1	2963.2	2776.8	2631.5	2515.0	2337.4	2306.1	2343.7
7.5°	3434.4	3235.7	2893.1	2560.2	2314.4	2081.4	1924.8	1799.9	1661.2	1601.3	1605.1
10°	3098.9	2874.7	2469.8	2107.5	1906.3	1749.0	1617.2	1489.3	1348.6	1256.3	1230.8
12.5°	2911.0	2653.2	2186.5	1863.0	1676.5	1510.9	1368.9	1232.0	1081.7	987.4	960.8
15°	2878.6	2598.4	2080.1	1706.4	1472.7	1263.2	1095.8	943.0	788.2	711.9	695.9
17.5°	3019.3	2696.5	2045.8	1567.0	1281.1	1022.5	816.9	646.3	520.2	482.0	478.8
20°											



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	3162.5	3193.1	3163.8	3165.7	3198.2	3294.9	3338.9	3375.2	3414.1	3439.5	3451.0
5°	2292.2	2363.5	2387.7	2438.5	2513.7	2637.3	2686.2	2721.9	2745.4	2759.5	2765.3
7.5°	1567.6	1610.9	1659.2	1741.4	1905.1	1977.6	2010.1	2001.8	1975.1	1965.6	1956.0
10°	1181.7	1164.6	1155.6	1200.9	1333.3	1406.5	1429.4	1407.1	1392.5	1395.7	1411.6
12.5°	915.6	885.6	849.4	844.2	931.6	997.1	1011.7	1013.1	1039.7	1063.3	1098.3
15°	667.2	664.1	646.3	635.5	685.0	738.6	744.9	756.4	780.6	797.8	828.4
17.5°	470.6	487.8	501.7	508.7	546.3						



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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	3510.8	3597.4	3735.6	3841.2	3947.6	4050.1	4160.9	4245.6	4317.5	4345.6	4430.9
5°	2823.2	2931.4	3062.0	3297.6	3464.3	3648.3	3861.0	4142.4	4250.6	4400.3	4645.4
7.5°	1996.0	2094.2	2304.3	2494.6	2730.8	2991.3	3278.5	3666.8	3808.8	4048.8	4448.1
10°	1490.6	1604.5	1773.3	1933.7	2141.9	2408.1	2737.8	3172.2	3344.7	3605.0	4064.8
12.5°	1200.9	1335.1	1514.2	1665.0	1826.0	2013.8	2334.3	2810.4	3041.6	3269.5	3734.3
15°	922.5	1063.3	1229.5	1421.1	1598.8	1801.2	2136.8	2657.6	2923.8		



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CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	4495.2	4531.4	4494.5	4467.8	4352.6	4257.8	4131.0	4066.0
5°	4832.0	4924.4	4893.0	4781.0	4540.4	4269.8	3962.3	3823.4
7.5°	4791.2	5005.8	5010.9	4801.4	4446.8	4048.2	3631.8	3434.4
10°	4474.1	4748.6	4826.8	4623.8	4247.5	3801.7	3324.2	3098.9
12.5°	4120.1	4388.8	4448.7	4378.7	4064.1	3616.5	3132.0	2911.0
15°	3830.4	3950.9	4022.1	4083.2	3906.9	3542.6	3121.1	2878.6
17.5°	3654.0	3640.7	3661.1	3767.4	3797.3	3627.3	3286.7	3019.3
20°	3590.4	3386.1	3380.9	3527.3	3745.7	3829.2	3610.2	