

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: P317101

Luminaire Tested: **GAN-SA7D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51089 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

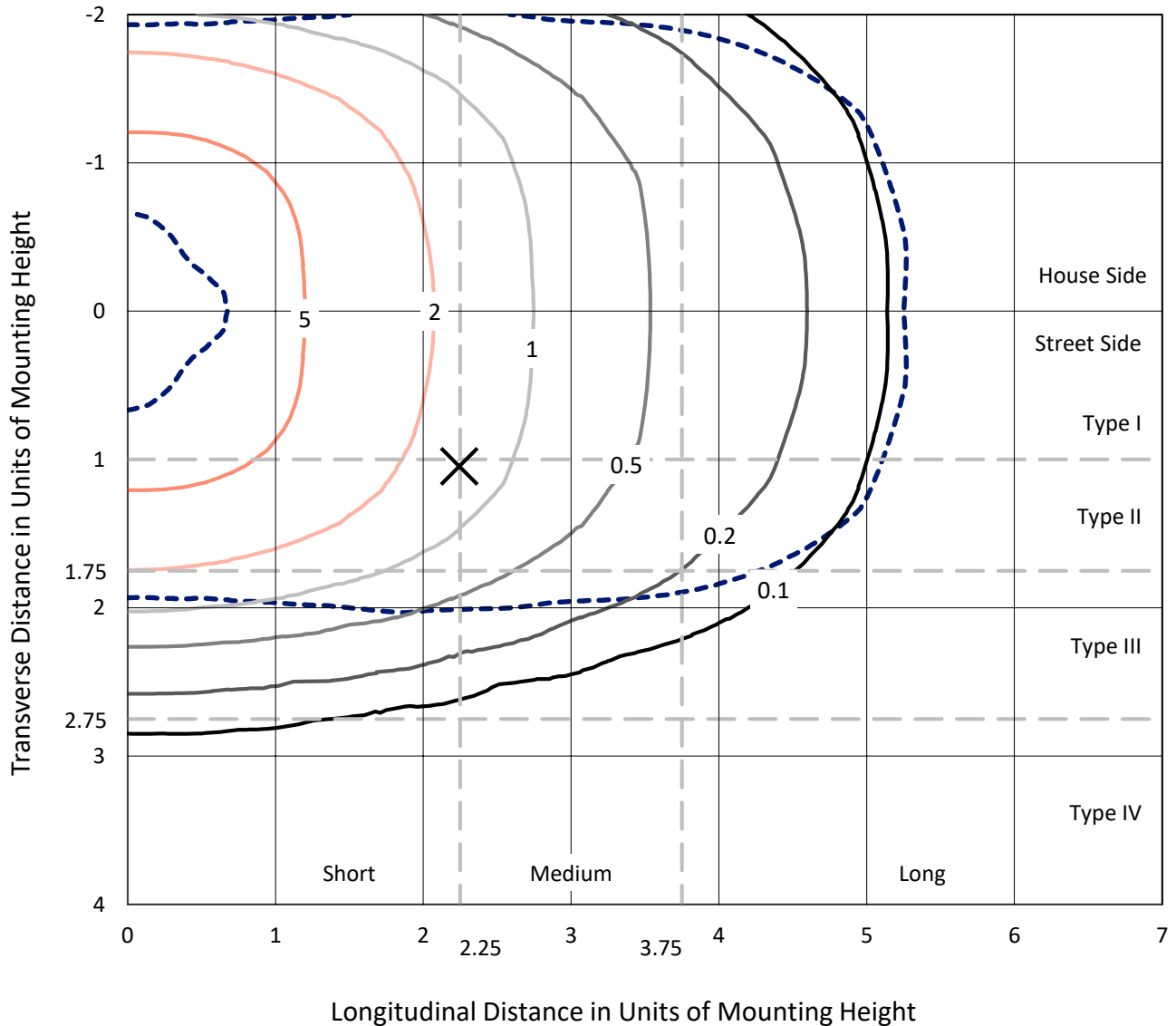
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

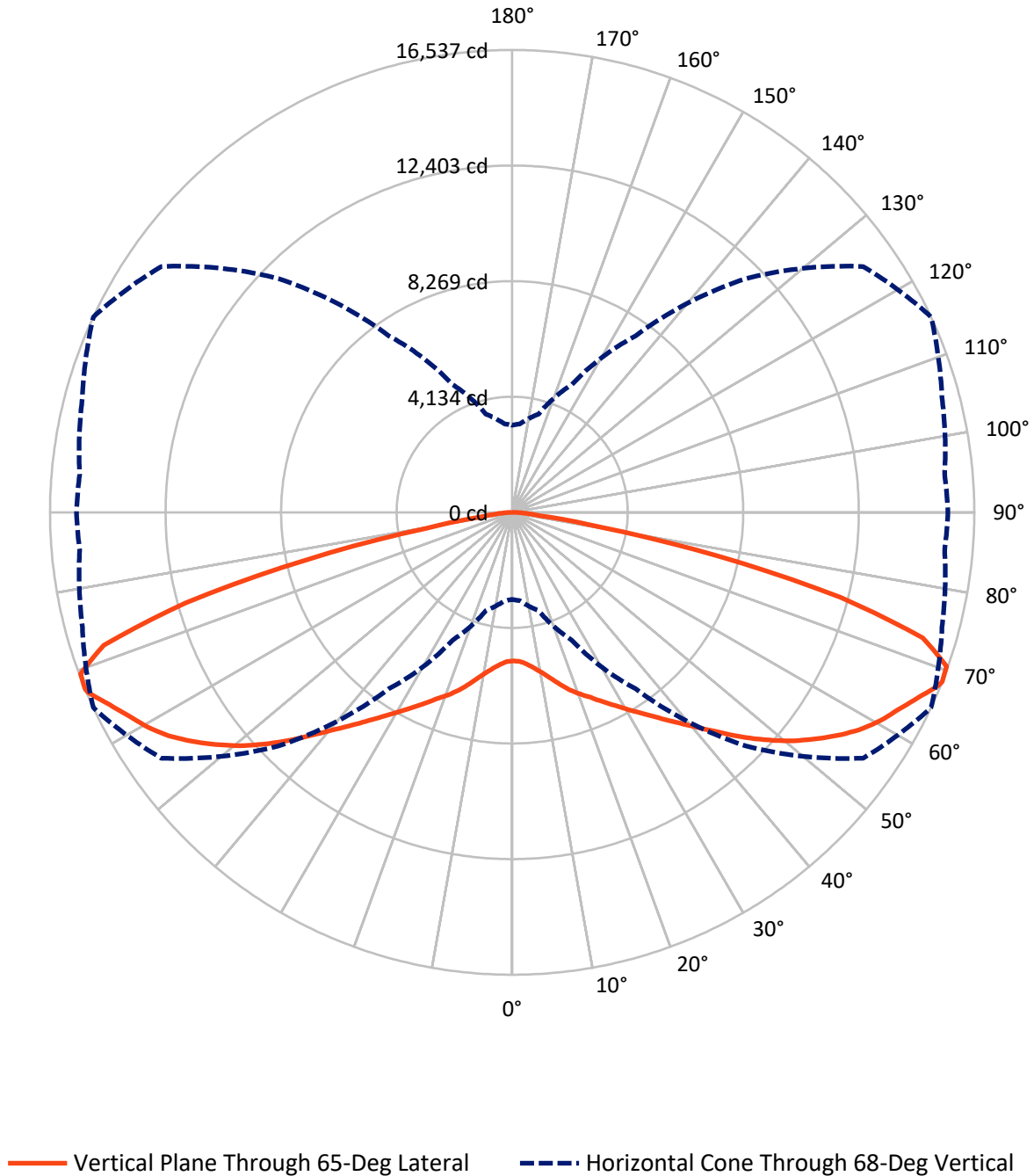
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25544.5	0.0	25544.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25544.5	0.0	25544.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51089.0	0.0	51089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.1	1.0
10°-20°	1741.5	3.4
20°-30°	3395.4	6.6
30°-40°	5704.0	11.2
40°-50°	8987.6	17.6
50°-60°	12019.3	23.5
60°-70°	11684.3	22.9
70°-80°	6387.2	12.5
80°-90°	649.6	1.3
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°	51089.0	100.0
0°-180°	51089.0	100.0

Coefficient of Utilization



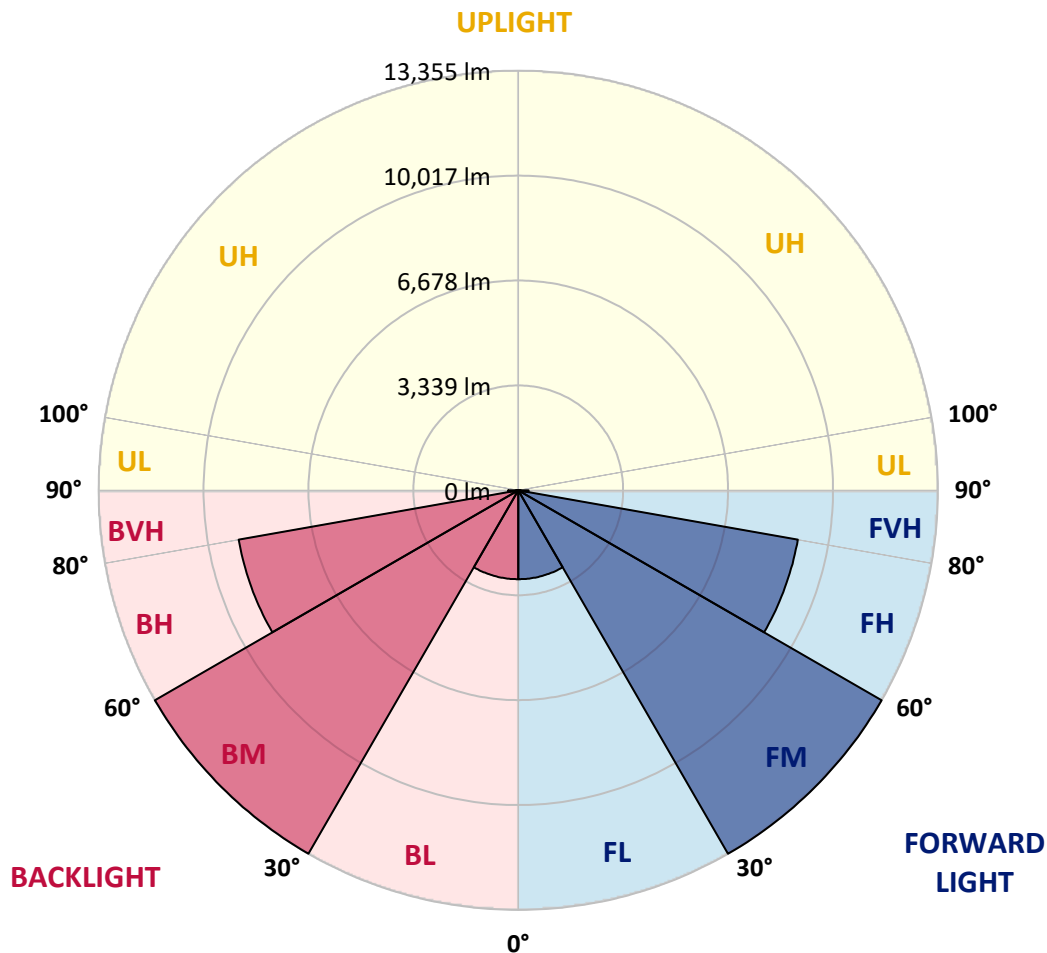
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2828.5	5.5			
FM (30°-60°)	13355.5	26.1			
FH (60°-80°)	9035.8	17.7			G4/12000
FVH (80°-90°)	324.8	0.6			G3/500
BL (0°-30°)	2828.5	5.5	B4/5000		
BM (30°-60°)	13355.5	26.1	B5		
BH (60°-80°)	9035.8	17.7	B5		G5
BVH (80°-90°)	324.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1	5312.1
2.5°	5274.4	5276.1	5284.6	5294.9	5303.5	5325.8	5330.9	5339.5	5342.9	5351.5	5351.5
5°	5228.1	5231.5	5252.1	5279.5	5310.3	5365.2	5404.6	5449.1	5471.4	5495.3	5493.6
7.5°	5223.0	5231.5	5260.7	5305.2	5356.6	5447.4	5529.6	5618.7	5678.6	5733.5	5730.0
10°	5276.1	5289.8	5330.9	5397.7	5474.8	5587.8	5709.5	5829.4	5933.9	6017.8	6021.2
12.5°	5356.6	5373.7	5438.8	5539.9	5656.4	5802.0	5945.9	6081.2	6225.1	6350.1	6360.4
15°	5462.8	5485.1	5582.7	5733.5	5911.6	6084.6	6238.8	6377.5	6543.7	6716.7	6733.9
17.5°	5620.4	5651.2	5779.7	5983.6	6218.2	6408.4	6569.4	6673.9	6812.7	6990.8	7023.4
20°	5860.2	5899.6	6062.4	6305.6	6591.7	6790.4	6913.7	6936.0	7004.5	7163.8	7201.5
22.5°	6172.0	6206.2	6387.8	6677.3	6997.7	7213.5	7278.6	7189.5	7182.7	7311.1	7347.1
25°	6519.7	6550.6	6761.3	7086.7	7431.1	7669.2	7667.4	7494.4	7374.5	7473.9	7511.6
27.5°	6910.3	6958.3	7160.4	7503.0	7871.3	8106.0	8092.3	7825.0	7597.2	7622.9	7655.5
30°	7359.1	7412.2	7609.2	7956.9	8325.2	8554.8	8537.7	8184.8	7842.2	7773.7	7797.6
32.5°	7915.8	7979.2	8165.9	8508.5	8834.0	9041.3	8991.6	8575.3	8136.8	7987.8	8010.0
35°	8585.6	8623.3	8820.3	9157.8	9421.6	9563.8	9459.3	9027.6	8510.2	8330.4	8330.4
37.5°	9264.0	9293.1	9514.1	9841.3	10096.5	10171.9	9968.0	9522.6	8998.5	8743.2	8748.4
40°	9914.9	9993.7	10242.1	10577.9	10829.7	10850.2	10579.6	10087.9	9541.5	9277.7	9308.5
42.5°	10595.0	10672.1	10968.4	11348.7	11571.4	11605.7	11288.8	10721.7	10154.7	9940.6	9974.9
45°	11201.4	11263.1	11605.7	12047.6	12325.1	12414.2	12039.1	11448.1	10817.7	10608.7	10617.3
47.5°	11624.5	11705.0	12081.9	12602.6	13006.9	13144.0	12775.7	12155.5	11470.3	11216.8	11239.1
50°	12008.2	12051.0	12433.0	13001.8	13515.7	13798.3	13483.1	12854.5	12129.8	11860.9	11884.9
52.5°	12222.3	12277.2	12647.2	13239.9	13848.0	14303.7	14111.8	13483.1	12767.1	12505.0	12534.1
55°	12073.3	12114.4	12558.1	13293.0	14053.6	14615.4	14644.5	14098.1	13392.3	13162.8	13245.0
57.5°	11395.0	11446.4	11987.7	12950.4	14079.3	14826.1	15045.4	14668.5	13976.5	13789.8	13837.7
60°	10334.6	10367.2	10944.4	12027.1	13579.1	14913.5	15300.6	15134.5	14548.6	14361.9	14427.0
62.5°	8445.2	8493.1	9183.5	10634.4	12522.1	14654.8	15547.3	15519.9	15081.4	14910.1	14968.3
65°	5772.9	5856.8	6620.8	8455.4	10893.1	13863.4	15771.7	15968.7	15552.4	15336.6	15413.7
67.5°	3486.0	3547.7	4101.0	5582.7	8335.5	12266.9	15540.5	16479.2	15884.8	15537.0	15600.4
68°	3116.0	3172.5	3635.0	5038.0	7710.3	11816.4	15329.8	16537.4	15920.7	15533.6	15590.1
70°	1882.6	1920.3	2230.3	3114.3	5140.8	9373.6	13892.5	16489.5	16150.3	15581.6	15614.1
72.5°	1226.5	1238.5	1289.9	1598.2	2626.0	5241.8	10427.1	15365.7	16494.6	15860.8	15855.6
75°	1019.2	1012.4	1017.5	1053.5	1295.0	2298.9	6093.2	12138.4	15723.7	15420.5	15312.6
77.5°	861.6	856.5	854.8	856.5	866.8	1110.0	2644.9	7561.2	12032.2	13640.7	13736.7
80°	697.2	690.3	712.6	702.3	671.5	690.3	1108.3	3145.1	5671.8	6101.8	5718.0
82.5°	507.1	481.4	577.3	549.9	524.2	486.5	611.5	1015.8	1353.3	928.5	652.7
85°	390.6	363.2	438.5	421.4	359.7	248.4	363.2	496.8	548.2	313.5	246.7
87.5°	159.3	167.9	316.9	250.1	210.7	119.9	149.0	198.7	267.2	133.6	102.8
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)