

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: P316984

Luminaire Tested: **GAN-SA0D-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62952 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

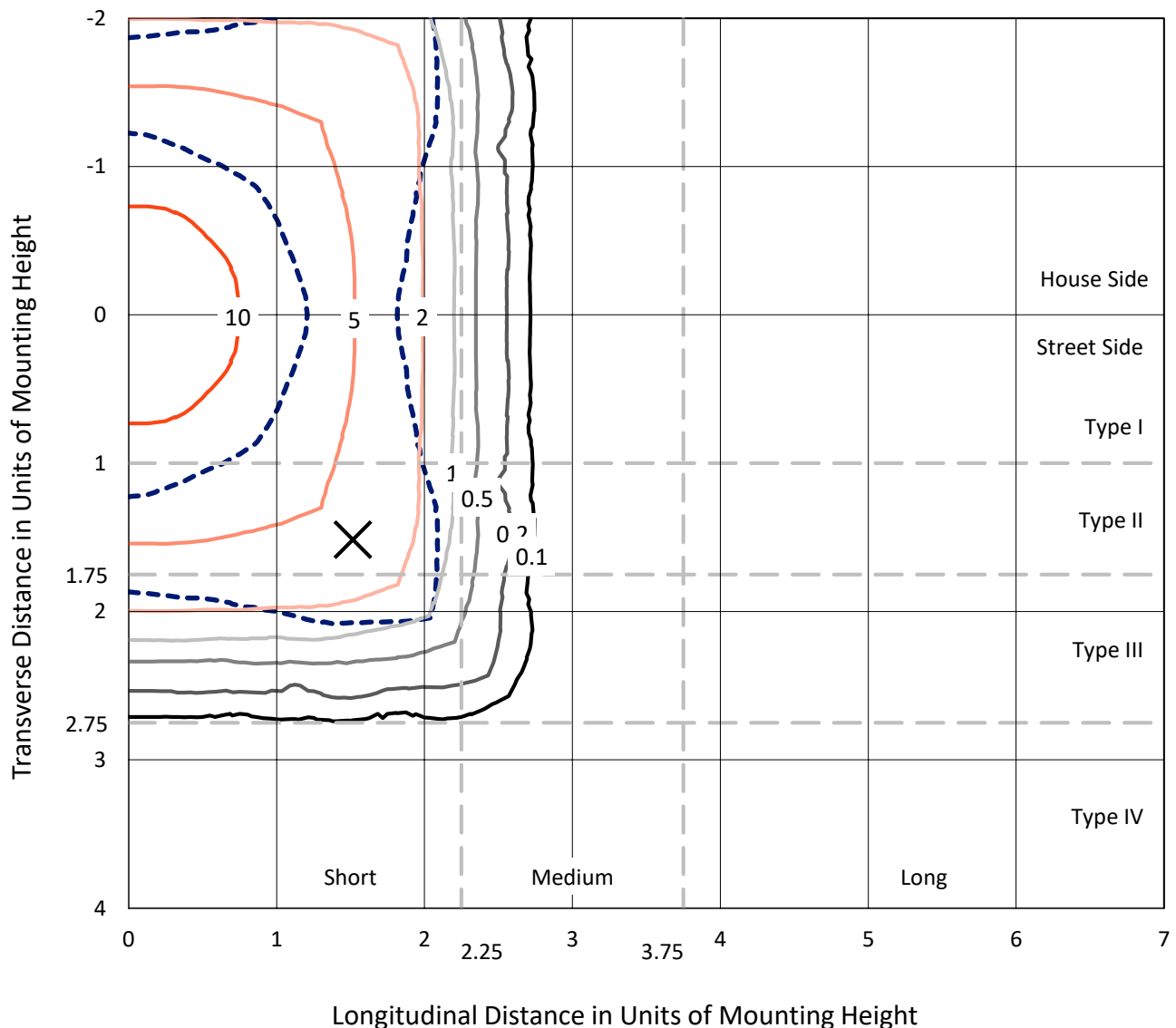
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

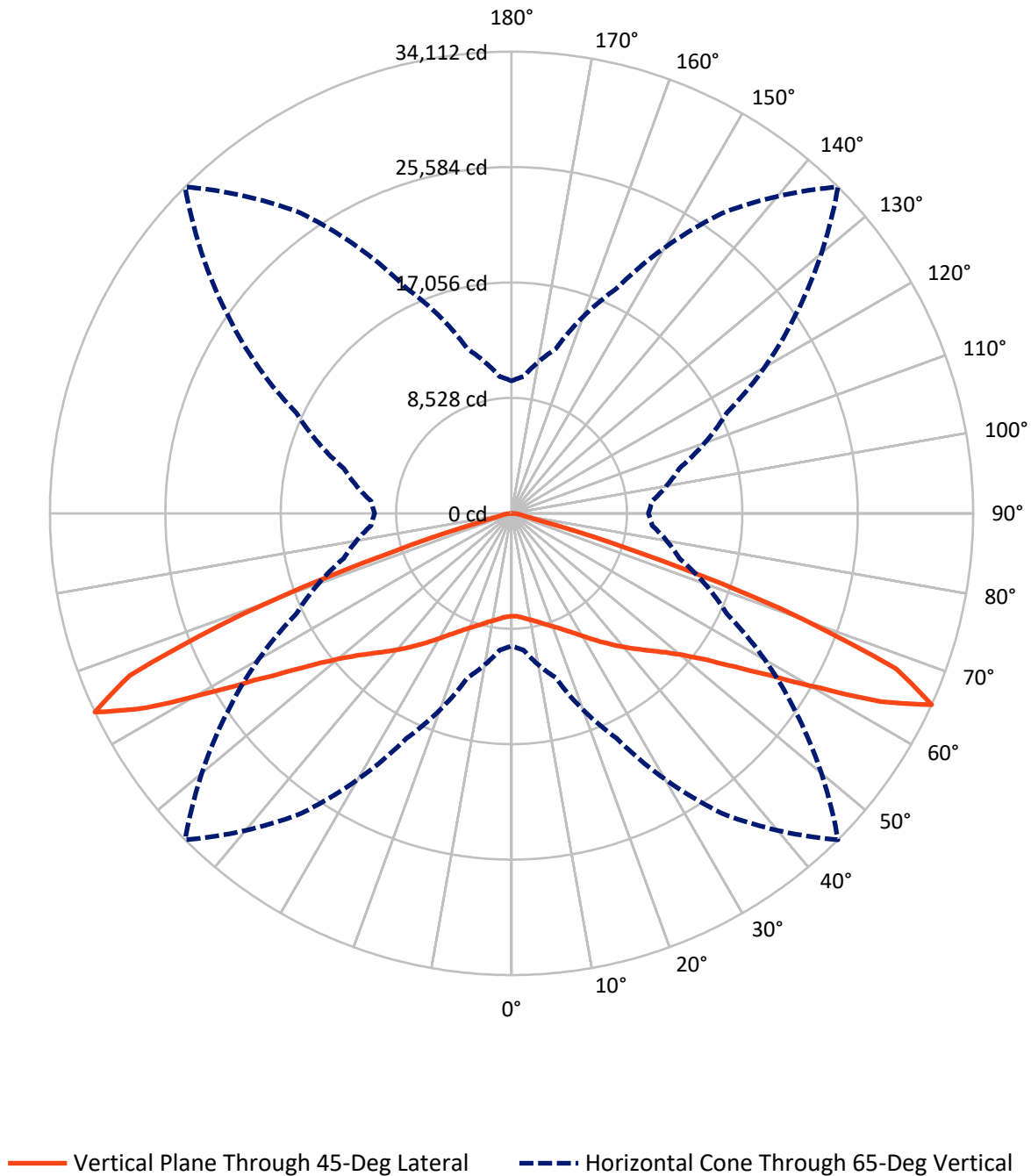
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31476.0	0.0	31476.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31476.0	0.0	31476.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62952.0	0.0	62952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.9	1.2
10°-20°	2397.5	3.8
20°-30°	4498.1	7.1
30°-40°	7439.0	11.8
40°-50°	11522.0	18.3
50°-60°	17671.4	28.1
60°-70°	16489.4	26.2
70°-80°	1919.1	3.0
80°-90°	269.7	0.4
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°	62952.0	100.0
0°-180°	62952.0	100.0

Coefficient of Utilization



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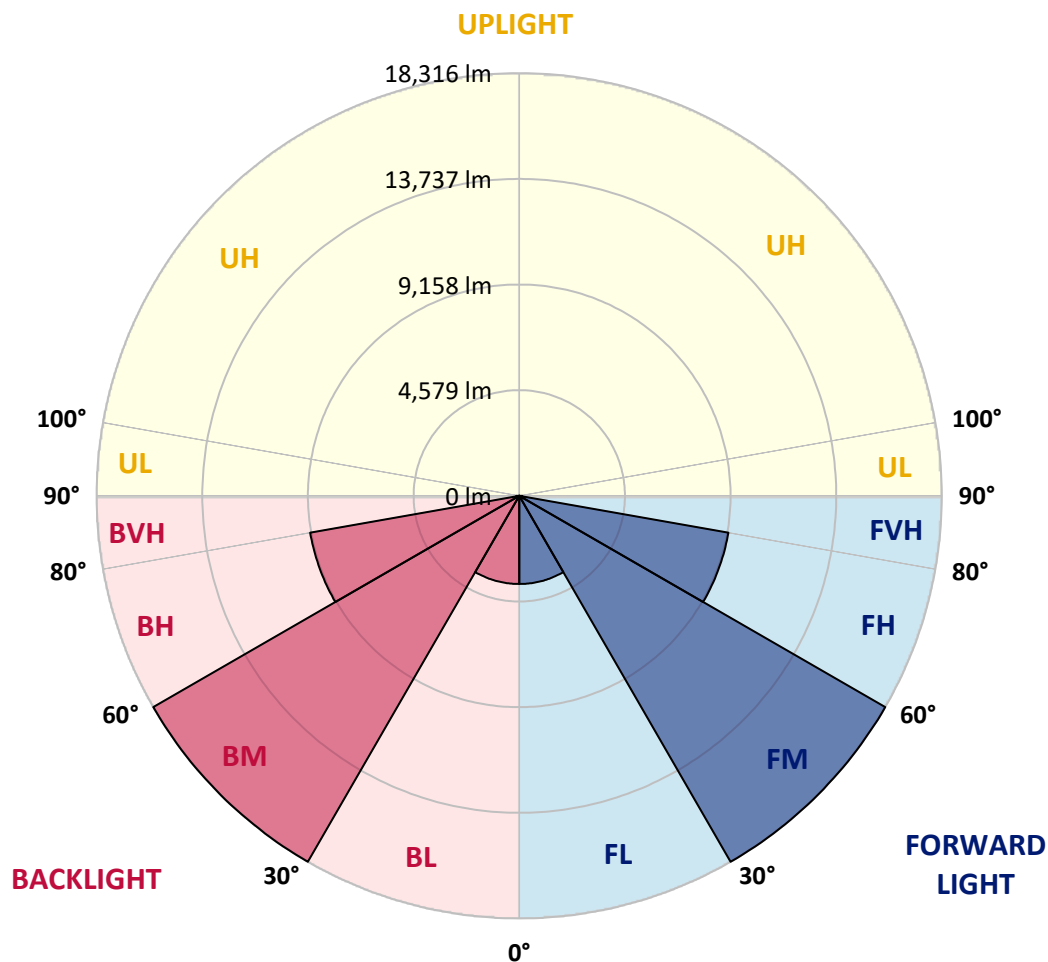
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3820.7	6.1			
FM	(30°-60°)	18316.2	29.1			
FH	(60°-80°)	9204.3	14.6			G4/12000
FVH	(80°-90°)	134.8	0.2			G2/225
BL	(0°-30°)	3820.7	6.1	B4/5000		
BM	(30°-60°)	18316.2	29.1	B5		
BH	(60°-80°)	9204.3	14.6	B5		G4/12000
BVH	(80°-90°)	134.8	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3	7602.3
2.5°	7627.3	7623.1	7627.3	7629.4	7616.9	7623.1	7621.1	7631.5	7635.7	7631.5	7631.5
5°	7715.1	7708.8	7717.2	7727.6	7710.9	7715.1	7708.8	7721.4	7725.5	7717.2	7723.5
7.5°	7836.3	7838.4	7846.7	7865.6	7855.1	7863.5	7850.9	7853.0	7850.9	7838.4	7840.5
10°	7967.9	7970.0	7984.7	8009.7	8013.9	8013.9	8005.6	7999.3	7990.9	7982.6	7984.7
12.5°	8126.8	8137.2	8147.7	8179.0	8179.0	8195.7	8191.5	8174.8	8160.2	8147.7	8147.7
15°	8342.0	8339.9	8352.4	8383.8	8398.4	8425.6	8425.6	8402.6	8383.8	8371.3	8367.1
17.5°	8567.7	8574.0	8582.3	8619.9	8642.9	8674.3	8678.4	8659.6	8647.1	8630.4	8619.9
20°	8831.0	8841.4	8874.9	8889.5	8910.4	8939.6	8950.1	8945.9	8933.4	8925.0	8927.1
22.5°	9138.2	9165.3	9186.2	9207.1	9232.2	9253.1	9263.5	9278.2	9265.6	9259.4	9255.2
25°	9510.1	9528.9	9570.7	9608.3	9625.1	9631.3	9643.9	9664.8	9662.7	9648.0	9648.0
27.5°	9932.2	9967.8	10020.0	10074.3	10074.3	10053.4	10095.2	10130.8	10118.2	10099.4	10074.3
30°	10444.2	10477.6	10538.2	10613.5	10575.9	10561.2	10617.7	10682.4	10663.6	10632.3	10628.1
32.5°	10995.9	11027.2	11106.6	11188.1	11140.1	11119.2	11179.8	11273.8	11240.4	11177.7	11140.1
35°	11593.5	11624.9	11737.7	11835.9	11754.4	11718.9	11769.1	11871.5	11813.0	11695.9	11666.7
37.5°	12243.4	12260.1	12406.4	12506.7	12450.3	12356.3	12419.0	12494.2	12444.0	12301.9	12245.5
40°	12918.4	12979.0	13148.3	13265.3	13167.1	13018.7	13123.2	13227.7	13152.4	12970.6	12874.5
42.5°	13706.2	13752.2	13977.9	14082.3	13923.5	13714.6	13856.7	13998.8	13923.5	13748.0	13664.4
45°	14525.4	14596.4	14866.0	14970.5	14740.6	14475.2	14648.6	14897.3	14891.1	14638.2	14550.4
47.5°	15417.6	15488.7	15810.5	15948.4	15699.8	15344.5	15589.0	15940.1	15915.0	15637.1	15566.0
50°	16447.9	16523.1	16924.3	17097.8	16865.8	16452.0	16819.8	17129.1	17083.1	16740.4	16746.7
52.5°	17741.4	17737.2	18236.6	18537.5	18299.3	17933.6	18272.2	18573.1	18382.9	17908.5	17893.9
55°	18874.0	18942.9	19561.5	20132.0	20117.3	19977.3	20113.2	20125.7	19582.4	18951.3	18874.0
57.5°	19617.9	19749.6	20620.9	21653.3	22426.4	22612.4	22349.1	21550.9	20278.2	19268.9	19145.6
60°	19160.3	19360.9	20729.6	22833.9	25111.7	26204.6	24718.8	22242.5	19737.0	18330.7	18163.5
62.5°	16071.7	16410.2	18414.2	22263.4	27422.9	30618.0	26436.5	21132.9	17584.6	15647.5	15361.2
65°	9788.1	10145.4	12561.1	18324.4	27048.8	34111.9	25652.9	17540.8	12834.8	10425.4	10116.1
67.5°	3262.0	3366.5	4789.5	10128.7	21258.3	30649.3	21293.8	10500.6	5585.7	3702.9	3594.2
70°	1276.8	1287.2	1519.2	2936.0	10038.8	21051.4	11077.4	2988.2	1588.2	1255.9	1283.1
72.5°	938.3	942.4	1007.2	1226.6	2616.3	9274.0	2710.3	1232.9	980.1	879.8	879.8
75°	754.4	754.4	800.3	894.4	1172.3	2127.3	1189.0	883.9	766.9	702.1	693.8
77.5°	595.6	608.1	643.6	704.2	794.1	1023.9	823.3	700.0	618.5	557.9	545.4
80°	443.0	455.5	514.1	543.3	570.5	710.5	608.1	547.5	489.0	417.9	405.4
82.5°	290.5	303.0	376.1	392.9	386.6	463.9	409.6	403.3	359.4	269.6	257.0
85°	190.2	194.3	250.8	261.2	240.3	211.1	261.2	275.8	250.8	175.5	169.3
87.5°	89.9	89.9	127.5	119.1	108.7	87.8	119.1	140.0	142.1	85.7	83.6
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)