

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: P528796

Luminaire Tested: **GLAN-SA3D-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16530 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

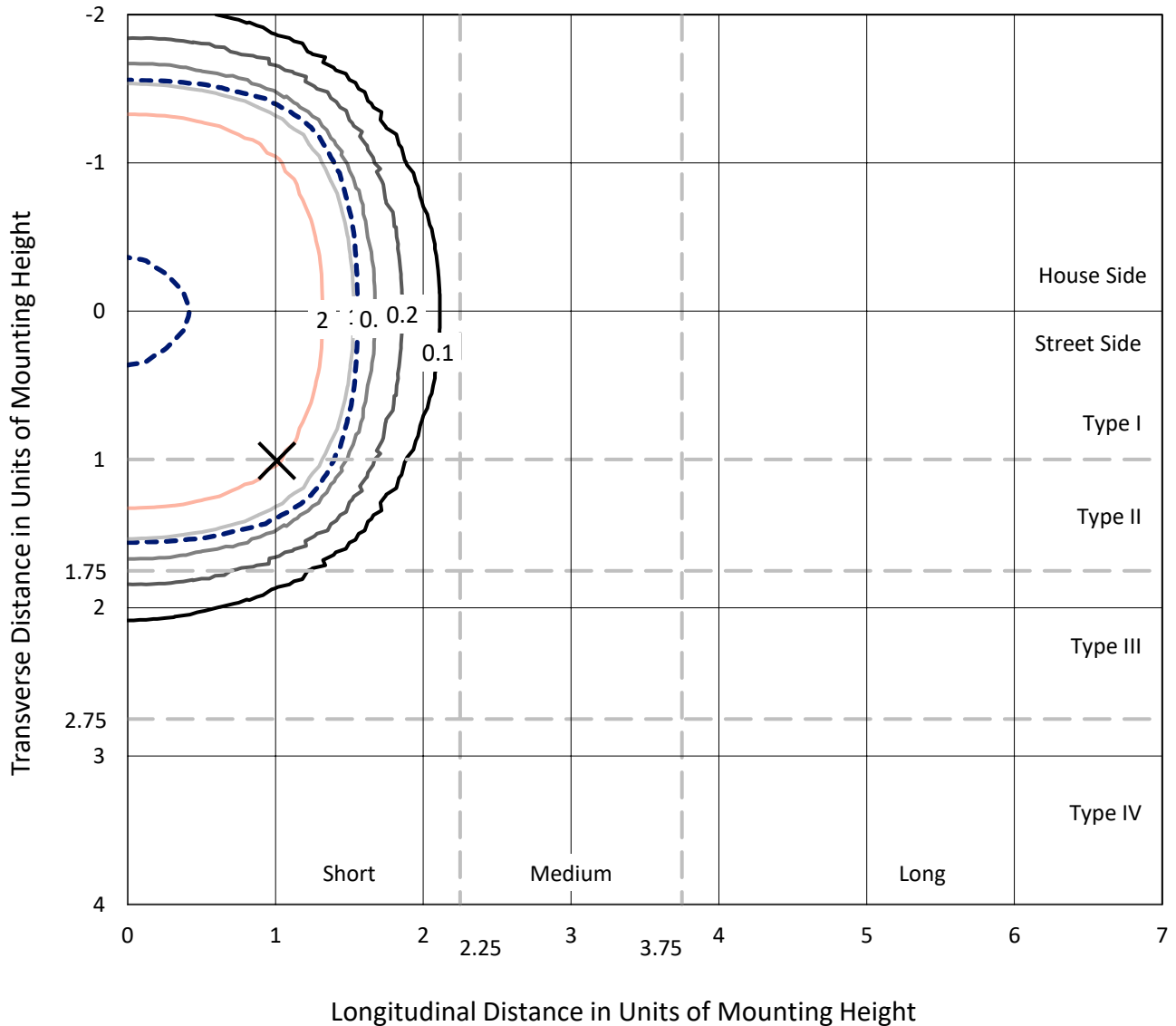
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528796
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Iso-Footcandle Lines of Horizontal Illumination

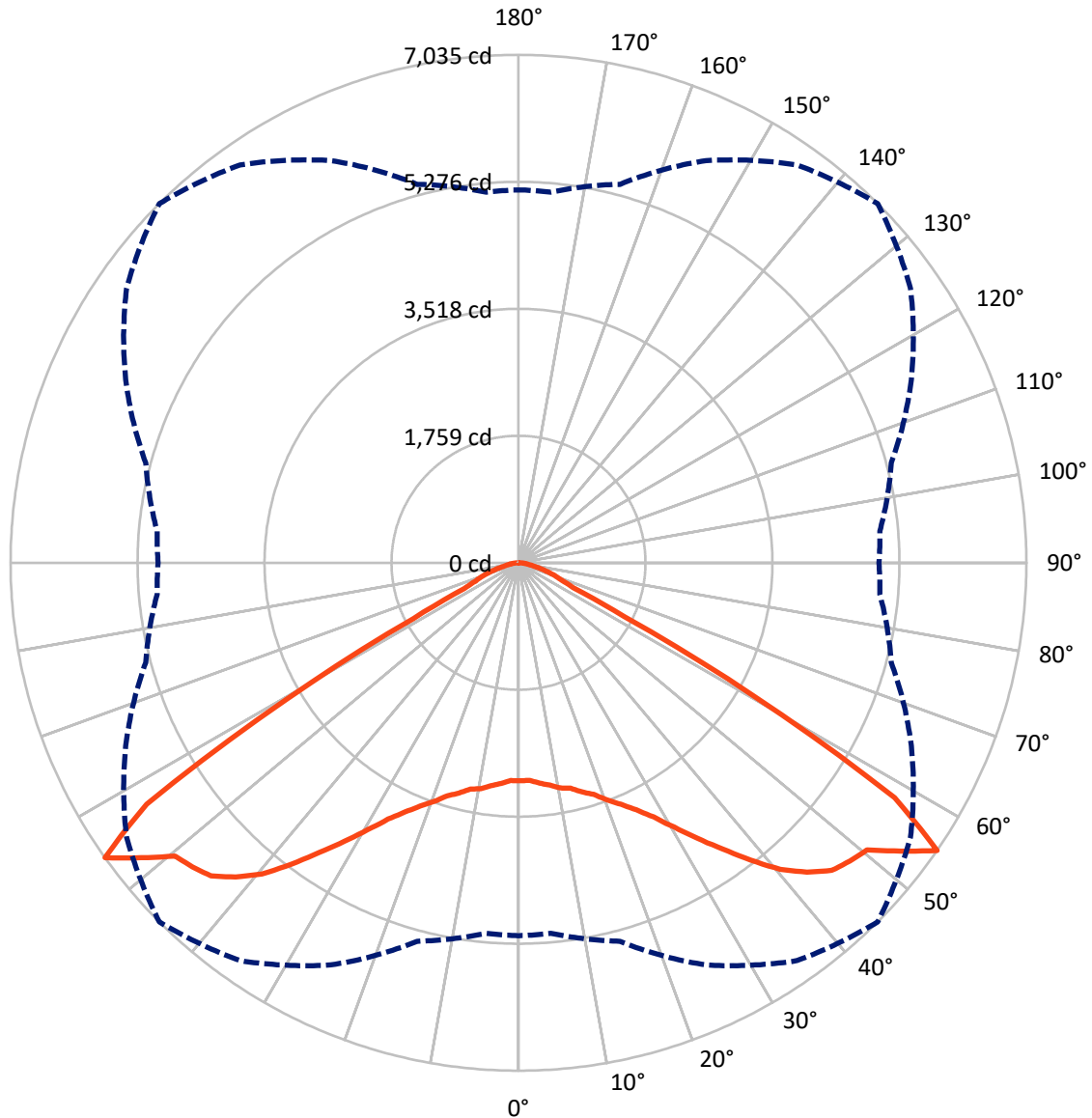
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P528796
CATALOG NUMBER: GLAN-SA3D-830-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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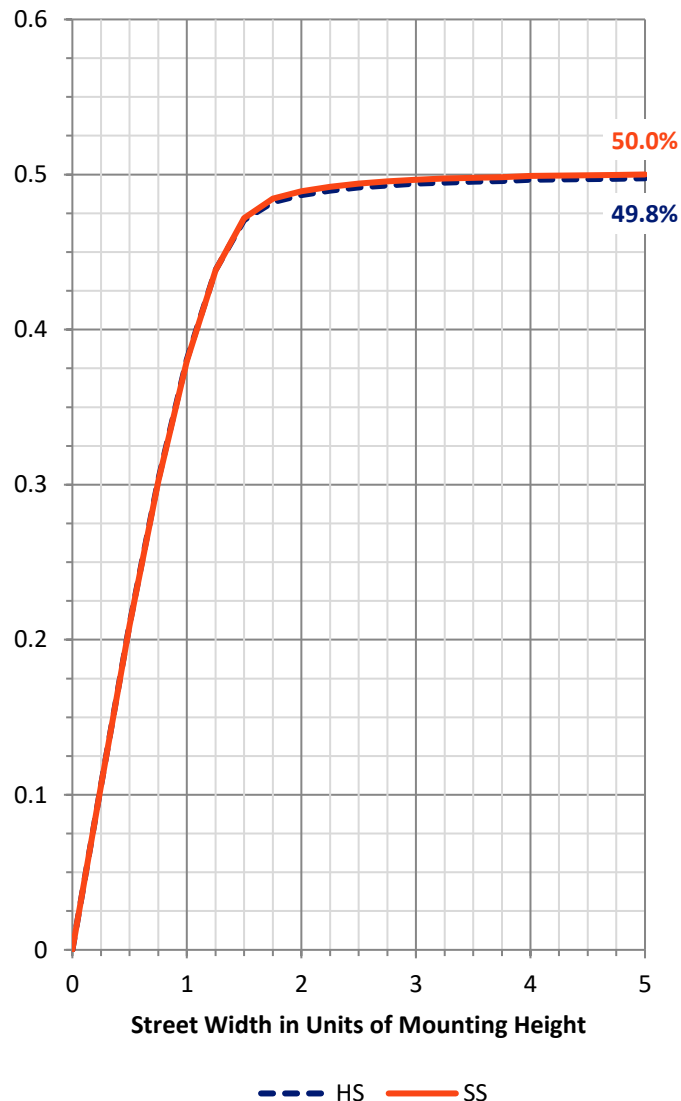
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8265.0	0.0	8265.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8265.0	0.0	8265.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16530.0	0.0	16530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.8	1.8
10°-20°	934.2	5.7
20°-30°	1742.0	10.5
30°-40°	2916.7	17.6
40°-50°	4538.6	27.5
50°-60°	4712.5	28.5
60°-70°	999.4	6.0
70°-80°	329.1	2.0
80°-90°	62.7	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°	16530.0	100.0
0°-180°	16530.0	100.0

Coefficient of Utilization



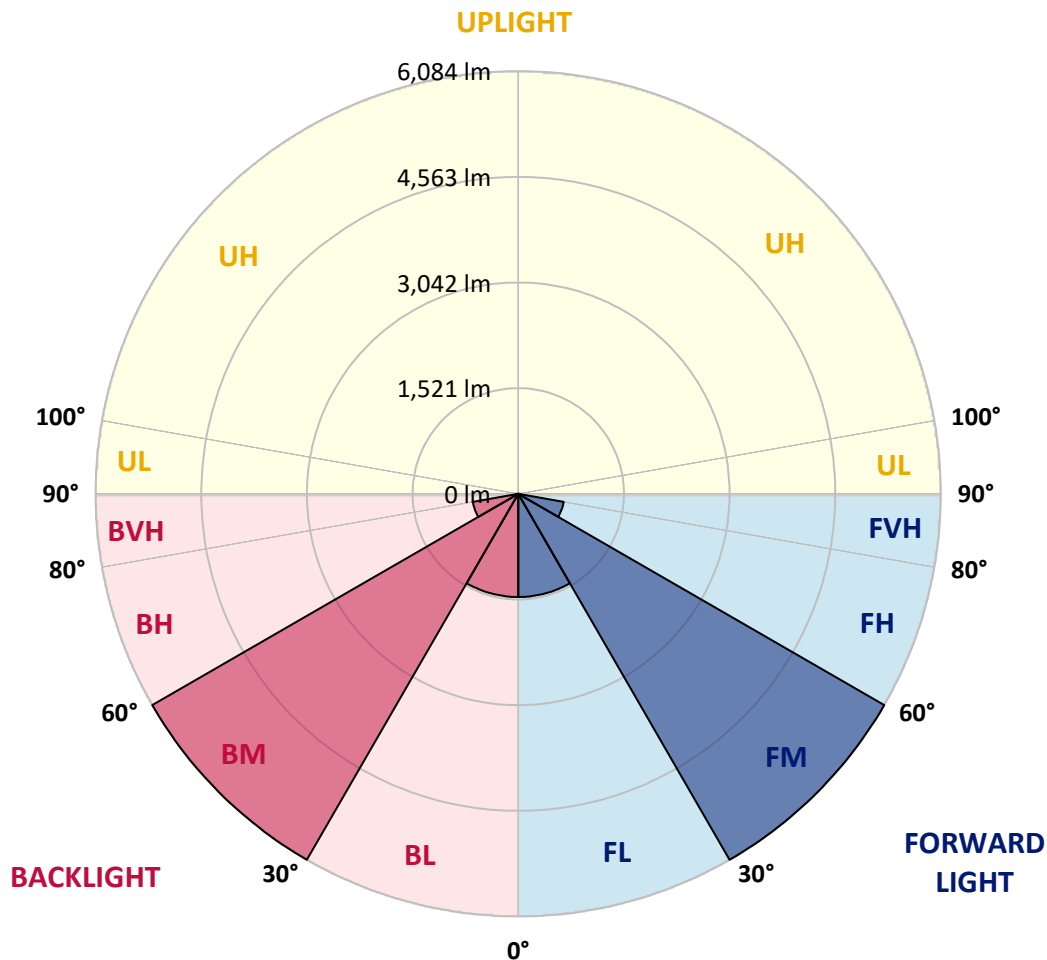
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.5	9.0			
FM (30°-60°)	6083.9	36.8			
FH (60°-80°)	664.2	4.0			G1/1800
FVH (80°-90°)	31.3	0.2			G1/100
BL (0°-30°)	1485.5	9.0	B3/2500		
BM (30°-60°)	6083.9	36.8	B4/8500		
BH (60°-80°)	664.2	4.0	B2/1000		G1/1800
BVH (80°-90°)	31.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1	3018.1
2.5°	3054.1	3040.1	3016.1	3034.1	3048.1	3018.1	3030.1	3036.1	3032.1	3016.1	3022.1
5°	3098.0	3090.0	3070.1	3084.0	3066.1	3066.1	3054.1	3038.1	3062.1	3058.1	3068.1
7.5°	3098.0	3088.0	3128.0	3102.0	3110.0	3110.0	3090.0	3074.1	3086.0	3068.1	3058.1
10°	3159.9	3173.9	3156.0	3161.9	3158.0	3171.9	3142.0	3132.0	3122.0	3116.0	3104.0
12.5°	3233.9	3223.9	3229.9	3225.9	3239.8	3203.9	3185.9	3163.9	3181.9	3156.0	3173.9
15°	3293.8	3287.8	3293.8	3309.8	3295.8	3293.8	3261.8	3239.8	3211.9	3217.9	3189.9
17.5°	3375.7	3369.7	3371.7	3385.7	3383.7	3373.7	3349.7	3307.8	3297.8	3281.8	3263.8
20°	3497.5	3487.5	3483.5	3489.5	3499.5	3507.5	3459.6	3443.6	3409.6	3383.7	3353.7
22.5°	3601.4	3597.4	3613.4	3587.4	3609.4	3633.3	3587.4	3579.4	3495.5	3481.5	3449.6
25°	3745.2	3739.2	3729.2	3767.2	3793.1	3791.1	3747.2	3703.3	3639.3	3623.4	3623.4
27.5°	3897.0	3863.0	3915.0	3925.0	3970.9	3984.9	3946.9	3883.0	3823.1	3789.1	3797.1
30°	4086.8	4054.8	4066.8	4138.7	4198.6	4250.6	4154.7	4060.8	3976.9	3917.0	3907.0
32.5°	4276.5	4244.6	4280.5	4350.4	4470.3	4548.2	4454.3	4290.5	4192.6	4104.7	4122.7
35°	4430.3	4454.3	4512.2	4618.1	4741.9	4867.8	4718.0	4592.1	4452.3	4354.4	4368.4
37.5°	4678.0	4751.9	4797.9	4919.7	5095.5	5225.3	5069.5	4905.7	4755.9	4628.1	4584.1
40°	5001.6	5051.5	5103.5	5247.3	5455.0	5584.8	5437.0	5223.3	5075.5	4943.7	4937.7
42.5°	5357.1	5405.1	5459.0	5634.8	5758.6	5856.5	5720.7	5606.8	5443.0	5339.2	5333.2
45°	5770.6	5736.6	5796.6	5912.4	6016.3	6080.2	5992.3	5936.4	5818.5	5722.7	5712.7
47.5°	6046.3	6016.3	6124.2	6228.0	6244.0	6174.1	6192.1	6244.0	6120.2	5962.4	6012.3
50°	6206.0	6206.0	6278.0	6373.8	6343.9	6254.0	6395.8	6399.8	6276.0	6136.1	6136.1
52.5°	5928.4	5990.3	6194.1	6507.7	6607.5	6633.5	6601.5	6465.7	6142.1	5856.5	5842.5
55°	5165.4	5151.4	5427.0	6146.1	6727.4	7035.0	6627.5	6002.3	5345.1	5023.6	4991.6
57.5°	3359.7	3375.7	3787.1	4520.2	5568.9	6142.1	5455.0	4576.1	3787.1	3343.7	3385.7
60°	1512.1	1566.0	1815.7	2363.0	3263.8	3731.2	3271.8	2482.8	1905.6	1653.9	1675.9
62.5°	868.9	878.9	888.9	1054.6	1390.2	1643.9	1444.1	1114.6	982.7	938.8	938.8
65°	733.1	727.1	729.1	743.0	779.0	830.9	809.0	779.0	783.0	779.0	773.0
67.5°	623.2	631.2	625.2	635.2	637.2	645.2	659.2	671.1	673.1	677.1	673.1
70°	511.3	513.3	517.3	525.3	527.3	533.3	553.3	563.3	569.3	569.3	577.3
72.5°	391.5	389.5	393.5	401.5	411.5	413.5	431.4	445.4	453.4	443.4	445.4
75°	257.7	259.7	265.7	271.7	285.6	299.6	305.6	319.6	321.6	325.6	315.6
77.5°	153.8	157.8	163.8	175.8	187.8	199.7	213.7	223.7	227.7	223.7	211.7
80°	99.9	99.9	107.9	117.8	131.8	141.8	149.8	157.8	163.8	157.8	153.8
82.5°	61.9	61.9	71.9	83.9	93.9	99.9	111.9	121.8	127.8	123.8	117.8
85°	32.0	34.0	41.9	51.9	59.9	63.9	61.9	55.9	49.9	47.9	43.9
87.5°	10.0	10.0	12.0	12.0	10.0	10.0	12.0	10.0	12.0	12.0	12.0
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)