

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: P316862

Luminaire Tested: **GAN-SA8D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316862
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-SA8D-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 64143 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

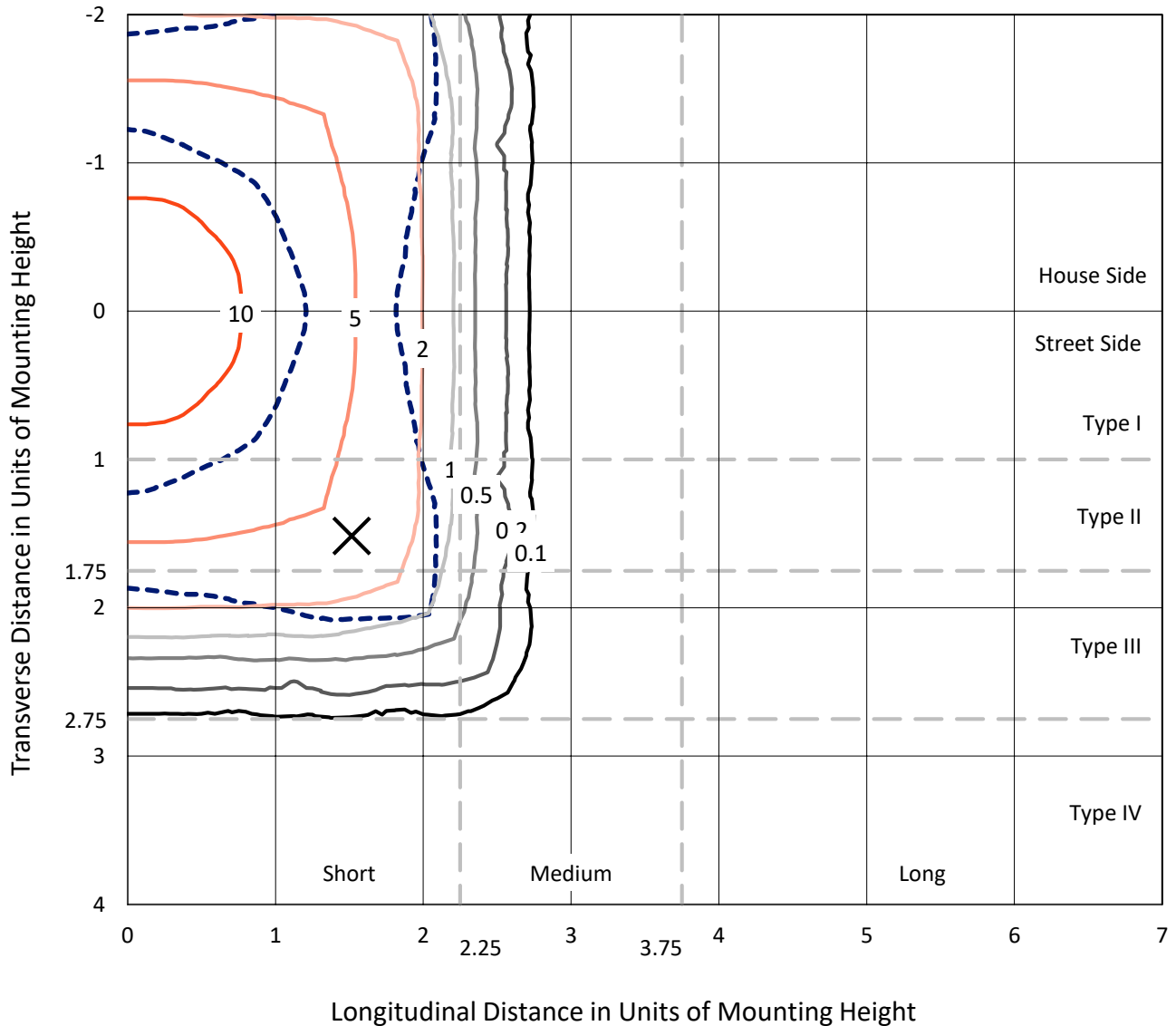
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

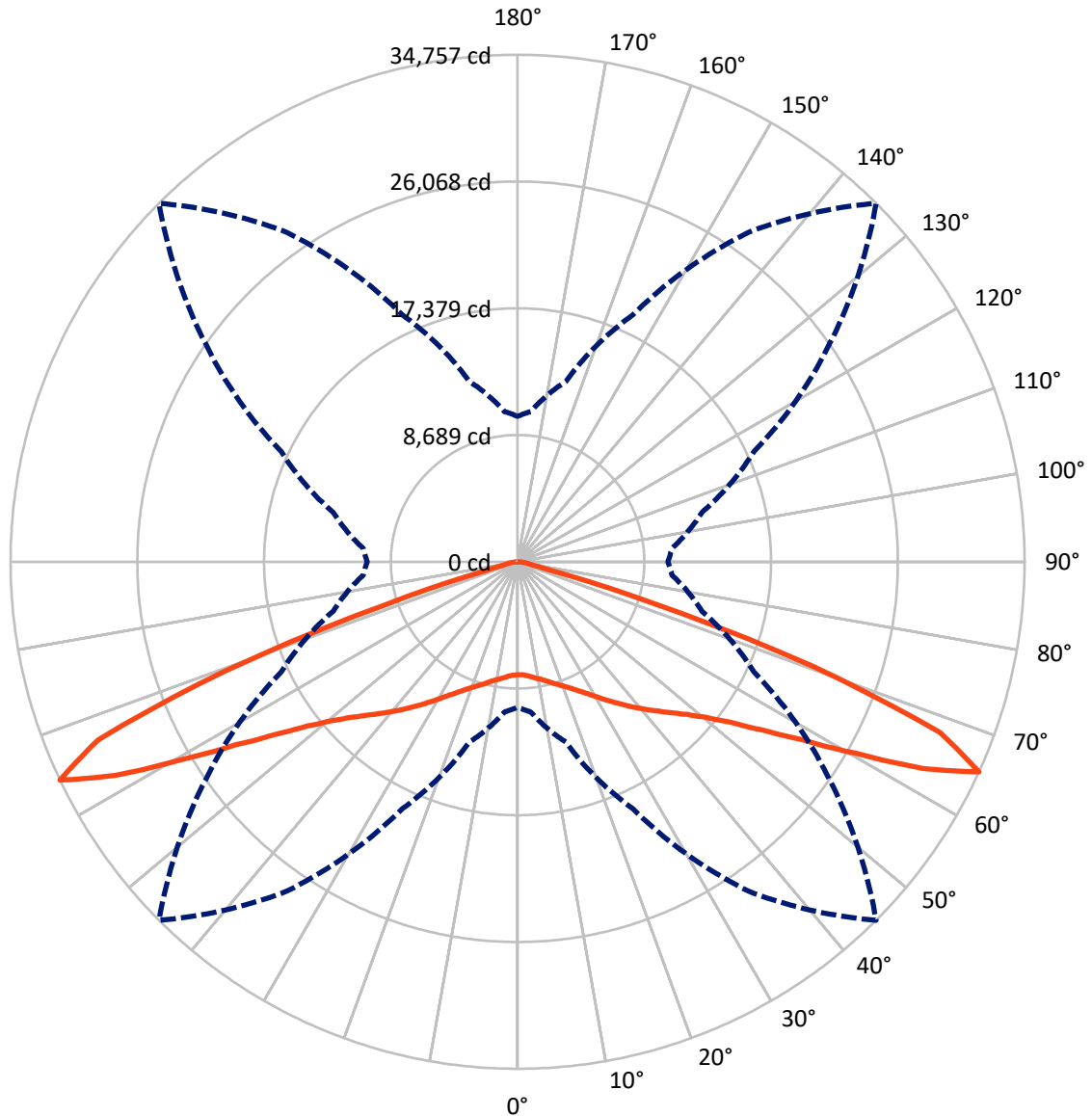
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32071.5	0.0	32071.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32071.5	0.0	32071.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64143.0	0.0	64143.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.0	1.2
10°-20°	2442.8	3.8
20°-30°	4583.2	7.1
30°-40°	7579.7	11.8
40°-50°	11739.9	18.3
50°-60°	18005.8	28.1
60°-70°	16801.4	26.2
70°-80°	1955.4	3.0
80°-90°	274.8	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°	64143.0	100.0
0°-180°	64143.0	100.0

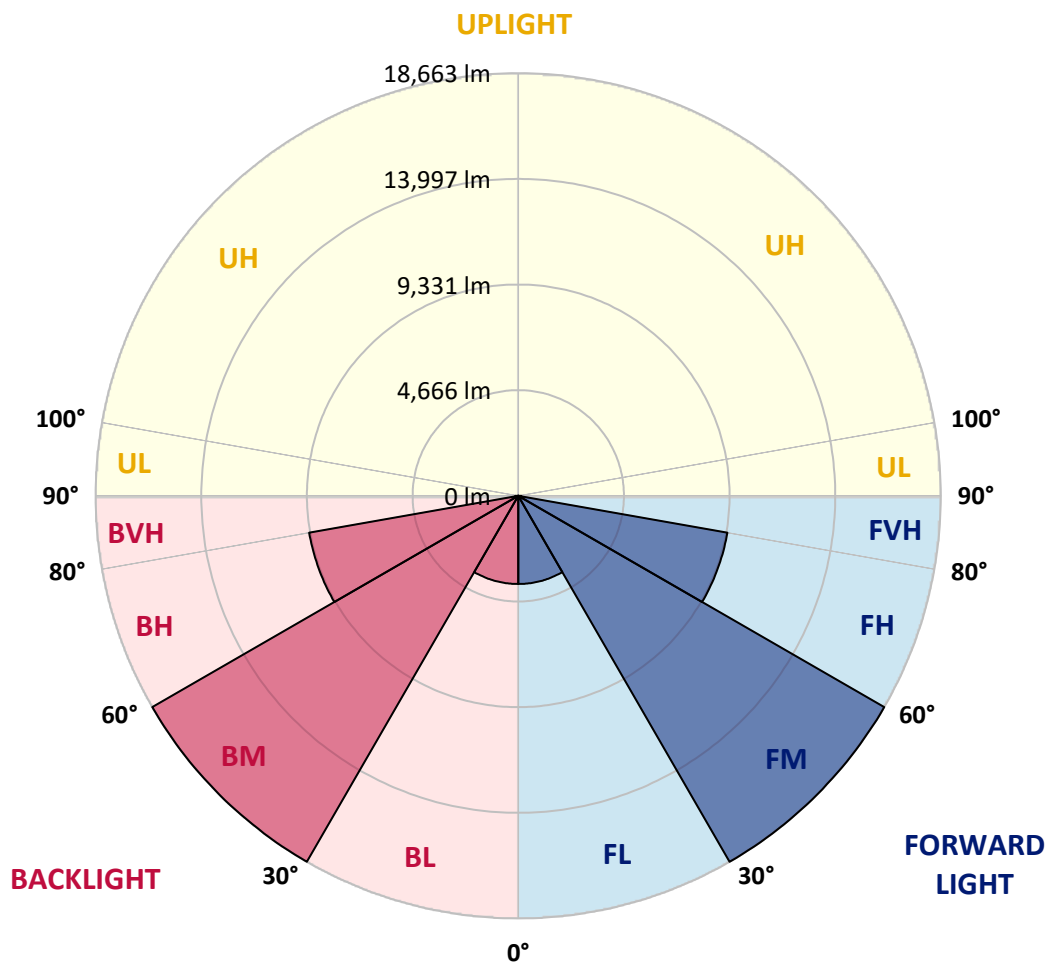


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3893.0	6.1			
FM (30°-60°)	18662.7	29.1			
FH (60°-80°)	9378.4	14.6			G4/12000
FVH (80°-90°)	137.4	0.2			G2/225
BL (0°-30°)	3893.0	6.1	B4/5000		
BM (30°-60°)	18662.7	29.1	B5		
BH (60°-80°)	9378.4	14.6	B5		G4/12000
BVH (80°-90°)	137.4	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°	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1	7746.1
2.5°	7771.6	7767.4	7771.6	7773.8	7761.0	7767.4	7765.2	7775.9	7780.1	7775.9	7775.9
5°	7861.1	7854.7	7863.2	7873.8	7856.8	7861.1	7854.7	7867.4	7871.7	7863.2	7869.6
7.5°	7984.6	7986.7	7995.2	8014.4	8003.7	8012.2	7999.5	8001.6	7999.5	7986.7	7988.8
10°	8118.7	8120.8	8135.7	8161.3	8165.5	8165.5	8157.0	8150.6	8142.1	8133.6	8135.7
12.5°	8280.5	8291.2	8301.8	8333.7	8333.7	8350.8	8346.5	8329.5	8314.6	8301.8	8301.8
15°	8499.8	8497.7	8510.5	8542.4	8557.3	8585.0	8585.0	8561.6	8542.4	8529.6	8525.4
17.5°	8729.8	8736.2	8744.7	8783.0	8806.4	8838.4	8842.6	8823.5	8810.7	8793.7	8783.0
20°	8998.1	9008.7	9042.8	9057.7	9079.0	9108.8	9119.4	9115.2	9102.4	9093.9	9096.0
22.5°	9311.1	9338.7	9360.0	9381.3	9406.9	9428.2	9438.8	9453.7	9440.9	9434.5	9430.3
25°	9690.1	9709.2	9751.8	9790.1	9807.2	9813.5	9826.3	9847.6	9845.5	9830.6	9830.6
27.5°	10120.2	10156.3	10209.6	10264.9	10264.9	10243.6	10286.2	10322.4	10309.7	10290.5	10264.9
30°	10641.8	10675.9	10737.6	10814.3	10776.0	10761.0	10818.5	10884.5	10865.4	10833.4	10829.2
32.5°	11203.9	11235.9	11316.8	11399.8	11350.8	11329.5	11391.3	11487.1	11453.0	11389.2	11350.8
35°	11812.9	11844.8	11959.8	12059.9	11976.8	11940.6	11991.7	12096.1	12036.4	11917.2	11887.4
37.5°	12475.1	12492.1	12641.1	12743.3	12685.9	12590.0	12653.9	12730.6	12679.5	12534.7	12477.2
40°	13162.8	13224.5	13397.0	13516.2	13416.2	13265.0	13371.5	13477.9	13401.3	13216.0	13118.1
42.5°	13965.5	14012.4	14242.3	14348.8	14187.0	13974.0	14118.8	14263.6	14187.0	14008.1	13922.9
45°	14800.2	14872.6	15147.2	15253.7	15019.5	14749.1	14925.8	15179.2	15172.8	14915.1	14825.7
47.5°	15709.3	15781.7	16109.6	16250.2	15996.8	15634.8	15883.9	16241.6	16216.1	15932.9	15860.5
50°	16759.0	16835.7	17244.5	17421.2	17184.9	16763.3	17138.0	17453.2	17406.3	17057.1	17063.5
52.5°	18077.0	18072.8	18581.6	18888.3	18645.5	18272.9	18617.8	18924.5	18730.7	18247.4	18232.5
55°	19231.1	19301.3	19931.6	20512.8	20497.9	20355.3	20493.7	20506.5	19952.9	19309.8	19231.1
57.5°	19989.1	20123.2	21011.1	22062.9	22850.7	23040.2	22771.9	21958.6	20661.9	19633.5	19507.9
60°	19522.8	19727.2	21121.8	23265.9	25586.8	26700.3	25186.5	22663.4	20110.4	18677.5	18507.1
62.5°	16375.8	16720.7	18762.6	22684.6	27941.7	31197.2	26936.7	21532.7	17917.3	15943.6	15651.9
65°	9973.2	10337.3	12798.7	18671.1	27560.5	34757.3	26138.2	17872.6	13077.6	10622.6	10307.5
67.5°	3323.7	3430.2	4880.2	10320.3	21660.5	31229.2	21696.7	10699.3	5691.4	3773.0	3662.2
70°	1300.9	1311.6	1547.9	2991.5	10228.7	21449.7	11287.0	3044.8	1618.2	1279.7	1307.3
72.5°	956.0	960.3	1026.3	1249.8	2665.8	9449.5	2761.6	1256.2	998.6	896.4	896.4
75°	768.6	768.6	815.5	911.3	1194.5	2167.5	1211.5	900.7	781.4	715.4	706.9
77.5°	606.8	619.6	655.8	717.5	809.1	1043.3	838.9	713.3	630.2	568.5	555.7
80°	451.4	464.2	523.8	553.6	581.3	723.9	619.6	557.9	498.2	425.8	413.1
82.5°	296.0	308.7	383.3	400.3	393.9	472.7	417.3	410.9	366.2	274.7	261.9
85°	193.8	198.0	255.5	266.2	244.9	215.1	266.2	281.1	255.5	178.9	172.5
87.5°	91.6	91.6	129.9	121.4	110.7	89.4	121.4	142.7	144.8	87.3	85.2
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)