

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: P459413

Luminaire Tested: **GLAN-SA8D-735-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 60730 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

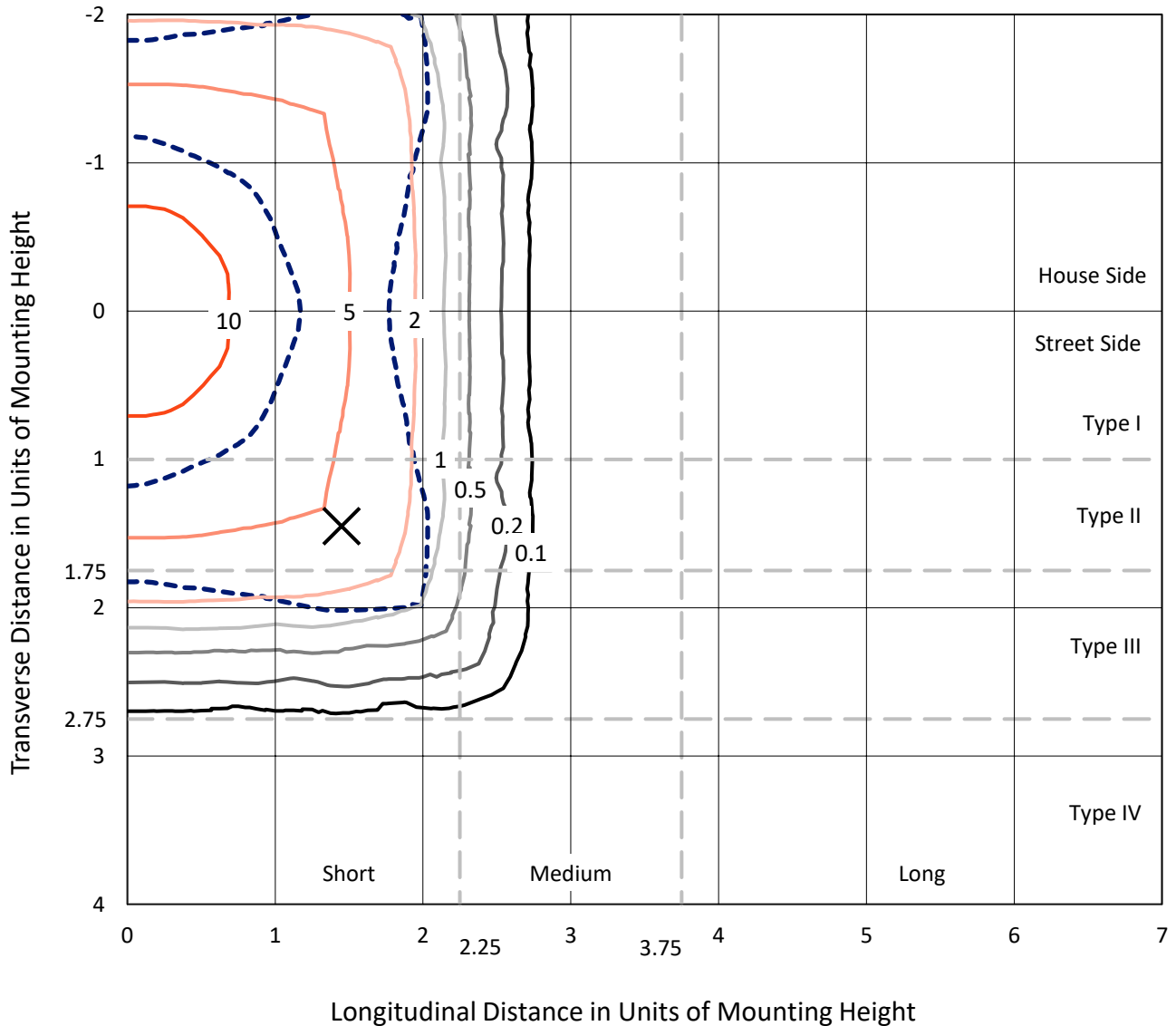
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

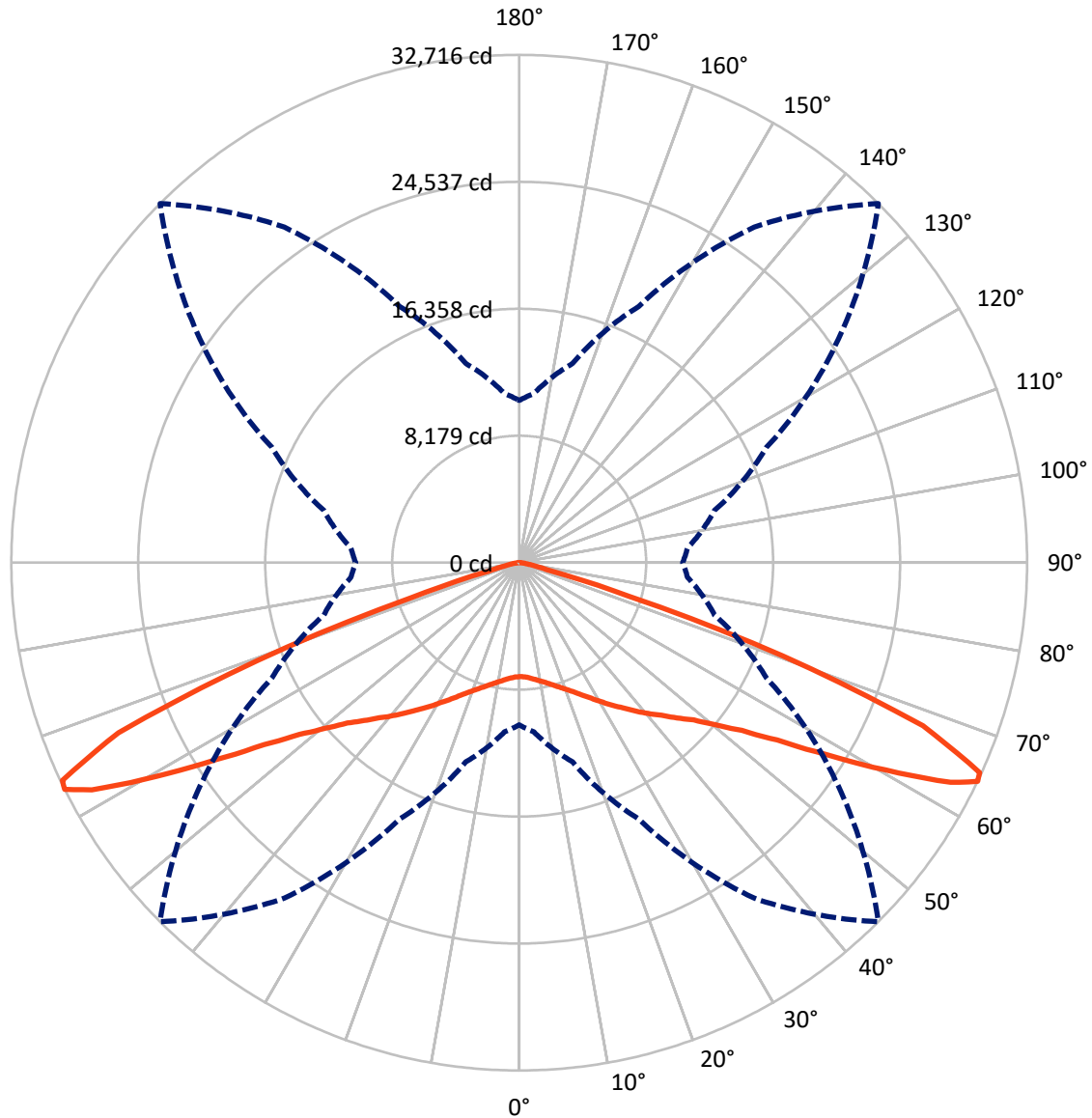
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30365.0	0.0	30365.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30365.0	0.0	30365.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	60730.0	0.0	60730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.1	1.2
10°-20°	2326.1	3.8
20°-30°	4395.7	7.2
30°-40°	7279.7	12.0
40°-50°	11364.8	18.7
50°-60°	17569.8	28.9
60°-70°	15150.2	24.9
70°-80°	1716.9	2.8
80°-90°	205.7	0.3
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°	60730.0	100.0
0°-180°	60730.0	100.0

Coefficient of Utilization



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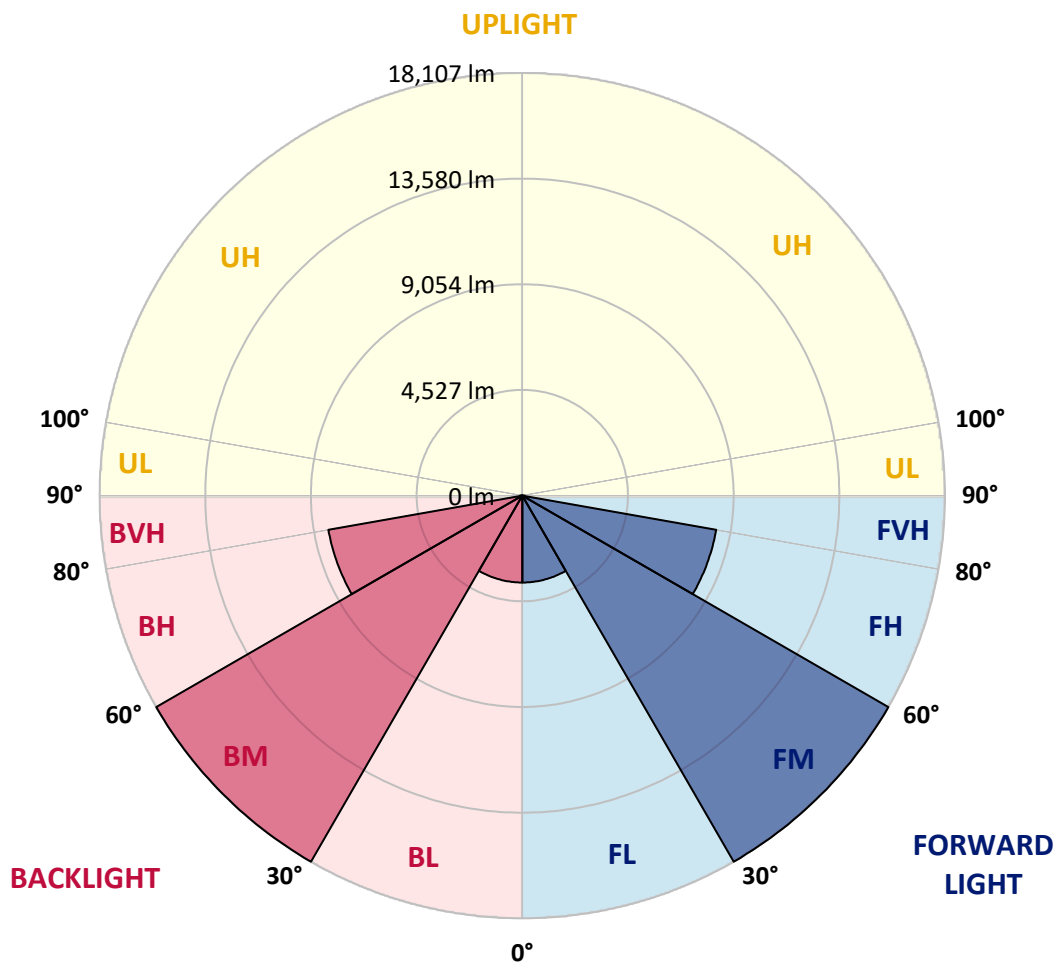
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3721.4	6.1			
FM (30°-60°)	18107.2	29.8			
FH (60°-80°)	8433.5	13.9			G4/12000
FVH (80°-90°)	102.8	0.2			G2/225
BL (0°-30°)	3721.4	6.1	B4/5000		
BM (30°-60°)	18107.2	29.8	B5		
BH (60°-80°)	8433.5	13.9	B5		G4/12000
BVH (80°-90°)	102.8	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°	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2	7340.2
2.5°	7369.2	7385.3	7372.4	7369.2	7366.0	7366.0	7366.0	7369.2	7382.1	7391.7	7385.3
5°	7462.5	7475.3	7468.9	7465.7	7462.5	7465.7	7459.3	7456.0	7465.7	7465.7	7462.5
7.5°	7578.3	7594.4	7587.9	7594.4	7597.6	7600.8	7584.7	7571.8	7568.6	7578.3	7571.8
10°	7735.9	7748.7	7752.0	7755.2	7761.6	7758.4	7739.1	7716.6	7713.4	7710.1	7706.9
12.5°	7912.8	7922.4	7925.7	7938.5	7948.2	7951.4	7928.9	7909.6	7877.4	7883.8	7871.0
15°	8112.2	8131.5	8128.3	8147.6	8173.3	8179.8	8157.3	8125.1	8096.1	8080.1	8070.4
17.5°	8356.7	8369.5	8363.1	8382.4	8414.6	8430.7	8411.4	8369.5	8340.6	8305.2	8285.9
20°	8646.2	8668.7	8675.1	8675.1	8704.1	8720.2	8691.2	8678.3	8633.3	8607.6	8591.5
22.5°	8974.3	8983.9	9003.2	9022.5	9051.5	9045.0	9035.4	9016.1	8974.3	8951.7	8926.0
25°	9344.2	9353.8	9402.1	9443.9	9453.5	9447.1	9434.2	9424.6	9386.0	9334.5	9315.2
27.5°	9775.2	9794.5	9858.8	9897.4	9897.4	9900.6	9874.9	9907.1	9823.4	9762.3	9755.9
30°	10315.6	10328.4	10383.1	10421.7	10402.4	10386.3	10379.9	10412.1	10322.0	10212.7	10186.9
32.5°	10849.5	10894.6	10942.8	11026.4	10958.9	10929.9	10923.5	10946.0	10843.1	10720.9	10685.5
35°	11422.1	11454.3	11544.3	11615.1	11554.0	11486.4	11515.4	11586.1	11463.9	11299.9	11293.4
37.5°	12055.8	12084.7	12200.5	12274.5	12229.4	12113.7	12161.9	12245.5	12123.3	11920.7	11878.8
40°	12715.2	12776.3	12921.0	12998.2	12924.2	12769.8	12859.9	12950.0	12840.6	12605.8	12512.5
42.5°	13455.0	13551.5	13760.5	13799.1	13657.6	13448.5	13606.1	13750.9	13673.7	13403.5	13368.1
45°	14320.2	14378.1	14635.5	14719.1	14522.9	14262.3	14458.5	14722.3	14664.4	14352.4	14284.8
47.5°	15288.4	15343.1	15610.1	15735.5	15487.8	15137.2	15491.1	15835.2	15799.9	15465.3	15433.2
50°	16433.5	16446.4	16816.3	16957.8	16710.1	16407.8	16723.0	17150.8	17009.3	16581.5	16575.1
52.5°	17688.0	17704.1	18170.5	18443.9	18305.6	17964.6	18337.7	18598.3	18238.0	17678.3	17636.5
55°	18775.2	18855.6	19492.5	20219.4	20409.2	20161.5	20274.1	20151.9	19264.1	18479.3	18357.0
57.5°	19219.1	19376.7	20344.9	21702.3	22937.5	23304.1	22435.7	21271.3	19672.6	18562.9	18443.9
60°	18135.1	18305.6	19807.7	22384.2	25536.4	27128.7	24687.3	21461.0	18743.0	17183.0	16996.4
62.5°	14522.9	14571.1	16780.9	20779.1	27051.5	31175.1	25636.2	19843.1	16037.9	13918.2	13844.2
64°	10450.7	10946.0	13287.7	18218.7	26388.8	32715.9	25089.3	17575.4	13027.2	10881.7	10534.3
65°	7816.3	7951.4	10711.2	15558.6	25221.2	32600.1	24027.9	15407.4	10788.4	8327.7	7941.7
67.5°	2952.8	2968.9	3953.2	7755.2	17955.0	28048.6	18337.7	8382.4	4545.0	3287.3	3168.3
70°	1225.5	1248.0	1450.7	2608.6	7716.6	18009.6	8842.4	3023.6	1663.0	1347.7	1328.4
72.5°	897.4	910.3	971.4	1158.0	2373.8	7394.9	2907.8	1283.4	974.6	871.7	862.0
75°	704.4	710.9	755.9	852.4	1106.5	2049.0	1209.4	881.3	743.0	669.0	662.6
77.5°	537.2	553.3	585.4	649.7	743.0	971.4	800.9	659.4	572.6	511.4	501.8
80°	369.9	389.2	450.3	476.1	498.6	630.5	546.8	498.6	447.1	373.1	350.6
82.5°	228.4	241.2	302.4	324.9	315.2	353.8	350.6	357.0	318.4	231.6	215.5
85°	119.0	125.4	164.0	170.5	157.6	144.7	180.1	209.1	196.2	131.9	128.7
87.5°	25.7	28.9	35.4	32.2	35.4	35.4	45.0	67.5	70.8	45.0	41.8
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)