

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: P954281

Luminaire Tested: **GLAN-SB7C-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50149 lumens
Efficiency: N/A
Efficacy: 143.1 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): 350.5
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

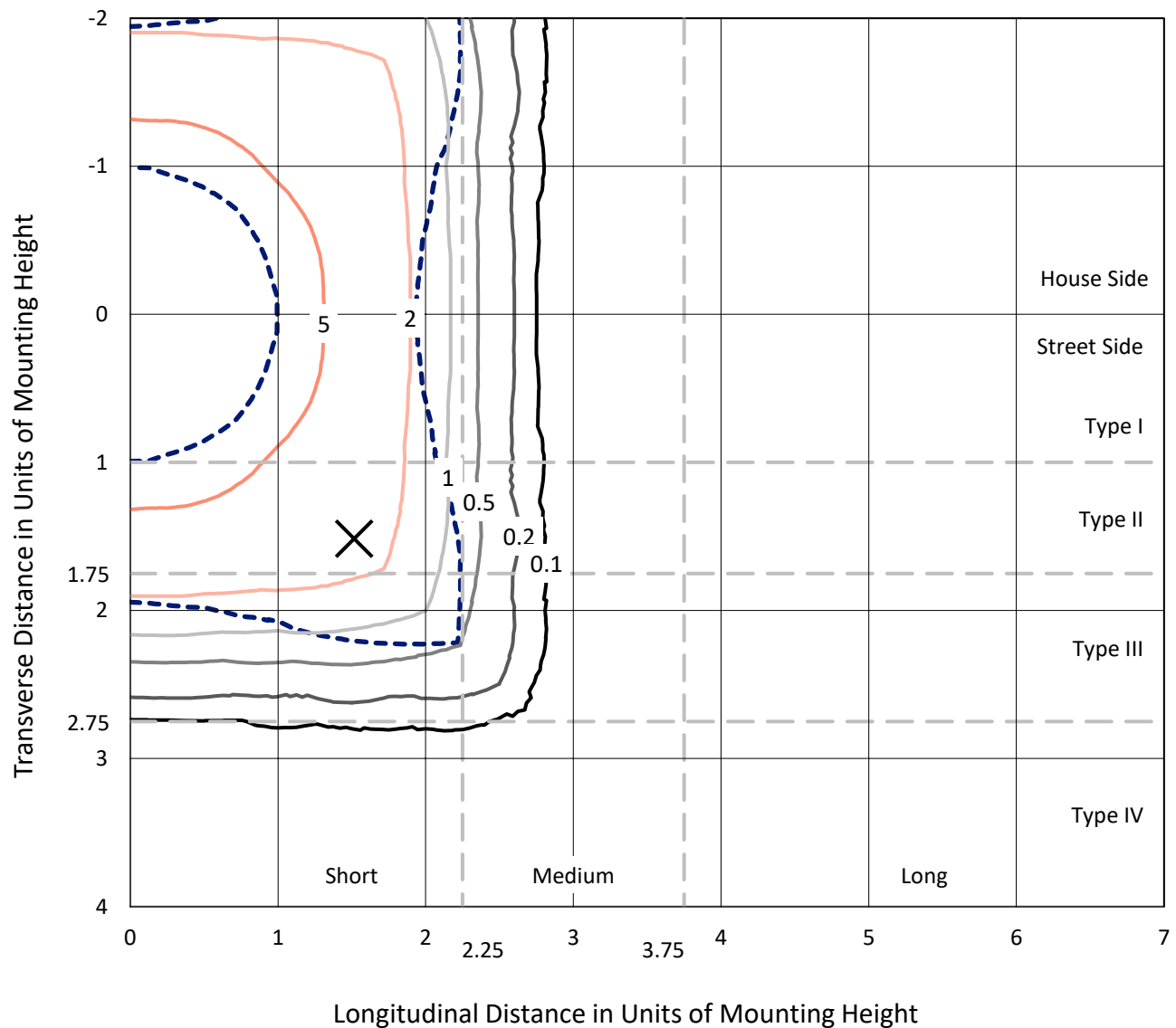


REPORT NUMBER: P954281

CATALOG NUMBER: GLAN-SB7C-830-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

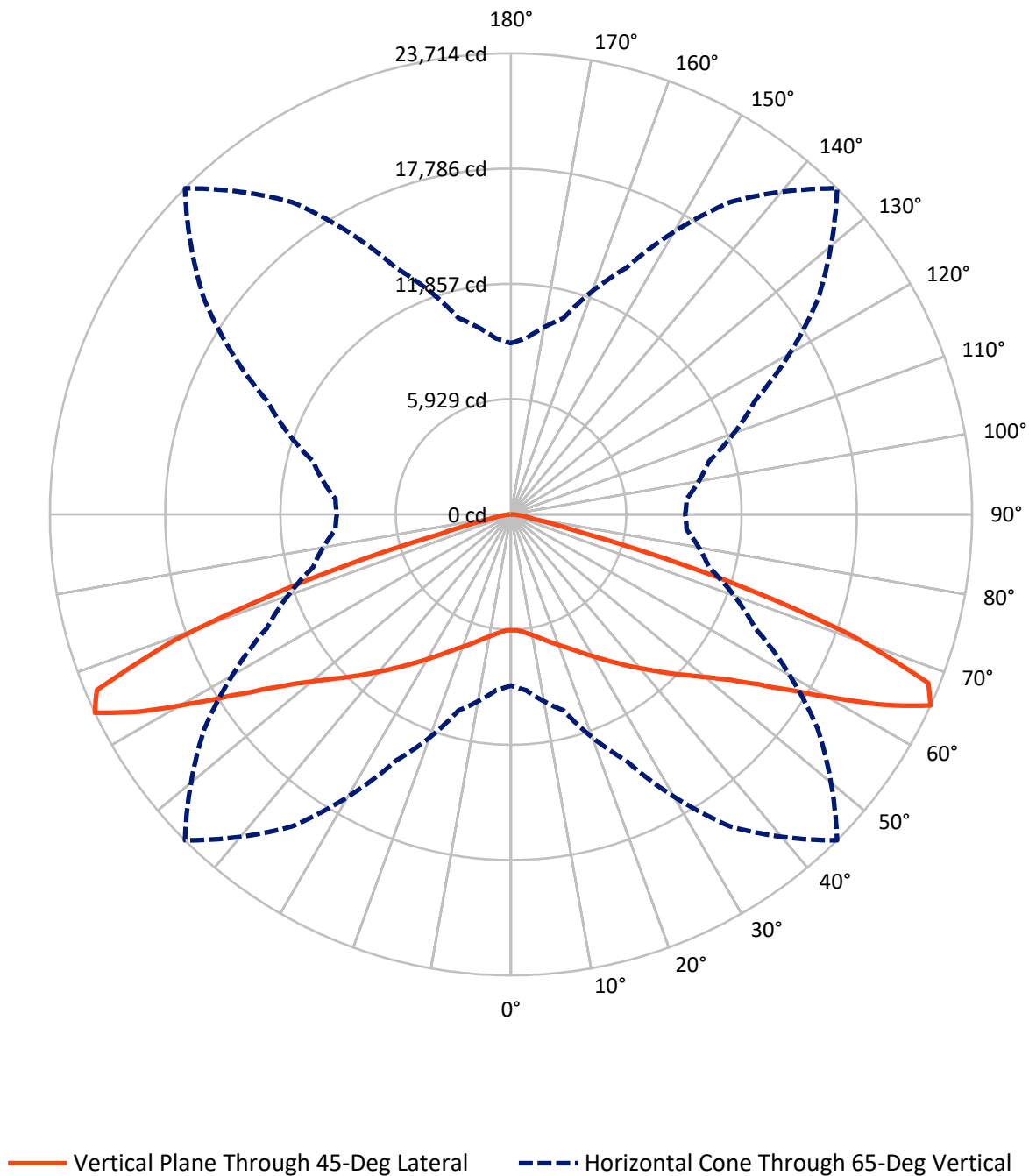


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type V - Short - N/A

REPORT NUMBER: P954281

CATALOG NUMBER: GLAN-SB7C-830-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P954281

CATALOG NUMBER: GLAN-SB7C-830-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25074.5	0.0	25074.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25074.5	0.0	25074.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50149.0	0.0	50149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.0	1.2
10°-20°	1922.0	3.8
20°-30°	3628.9	7.2
30°-40°	5942.2	11.8
40°-50°	9213.5	18.4
50°-60°	13610.2	27.1
60°-70°	12955.6	25.8
70°-80°	2090.6	4.2
80°-90°	197.1	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°	50149.0	100.0
0°-180°	50149.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954281

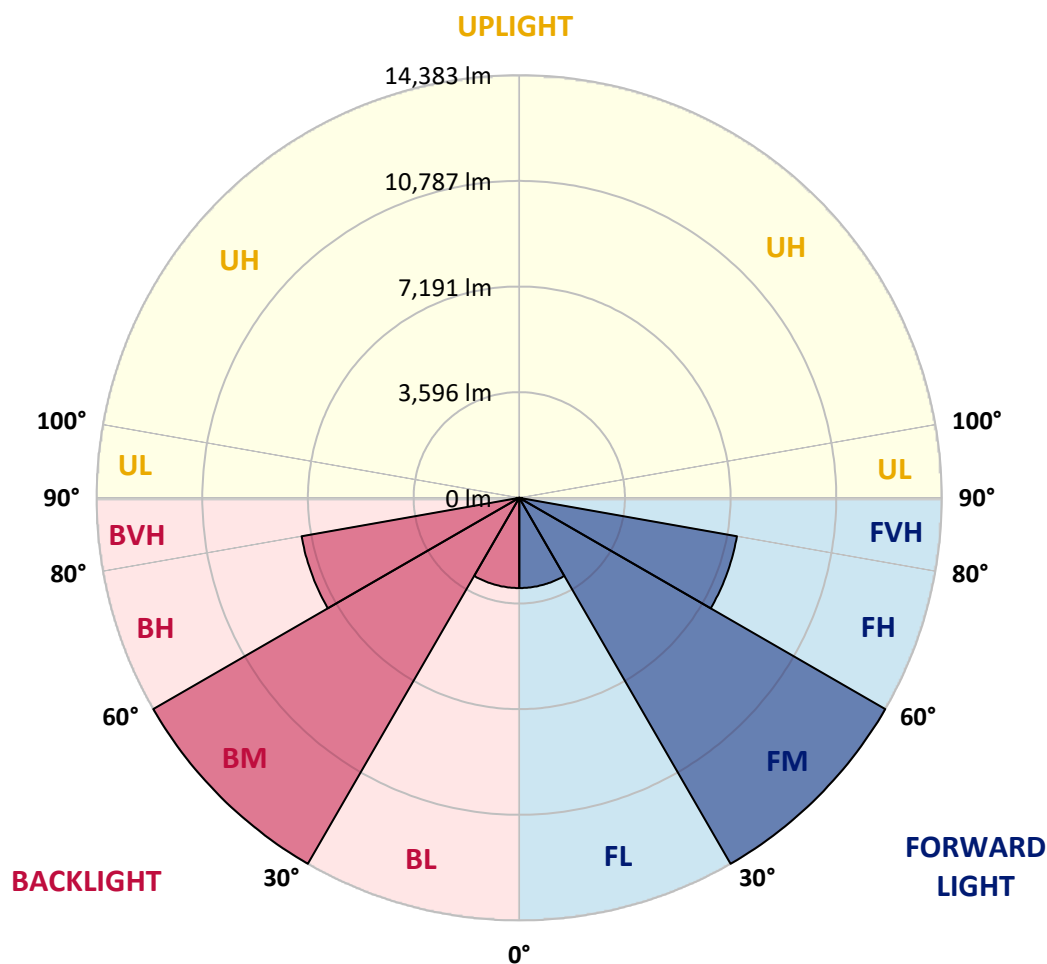
CATALOG NUMBER: GLAN-SB7C-830-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3069.9	6.1			
FM	(30°-60°)	14382.9	28.7			
FH	(60°-80°)	7523.1	15.0			G4/12000
FVH	(80°-90°)	98.5	0.2			G1/100
BL	(0°-30°)	3069.9	6.1	B4/5000		
BM	(30°-60°)	14382.9	28.7	B5		
BH	(60°-80°)	7523.1	15.0	B5		G4/12000
BVH	(80°-90°)	98.5	0.2			G1/100
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



REPORT NUMBER: P954281

CATALOG NUMBER: GLAN-SB7C-830-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2
2.5°	6008.5	5988.4	6003.5	5990.9	5980.8	5970.7	5975.8	5993.4	6000.9	6003.5
5°	6089.0	6071.4	6078.9	6078.9	6061.3	6056.3	6058.8	6071.4	6086.5	6086.5
7.5°	6219.8	6202.2	6219.8	6209.8	6194.7	6189.7	6187.1	6197.2	6219.8	6219.8
10°	6378.4	6358.2	6368.3	6363.3	6345.7	6338.1	6335.6	6350.7	6370.8	6368.3
12.5°	6552.0	6529.3	6541.9	6526.8	6521.8	6514.2	6514.2	6511.7	6524.3	6514.2
15°	6745.7	6730.6	6735.6	6725.6	6733.1	6728.1	6708.0	6697.9	6702.9	6687.8
17.5°	6974.7	6939.5	6957.1	6952.0	6952.0	6962.1	6929.4	6916.8	6926.9	6911.8
20°	7238.9	7203.6	7211.2	7201.1	7188.5	7198.6	7158.4	7168.4	7176.0	7165.9
22.5°	7528.2	7482.9	7480.4	7485.5	7457.8	7460.3	7432.6	7457.8	7472.9	7445.2
25°	7825.1	7777.3	7810.0	7797.5	7762.2	7769.8	7749.6	7774.8	7787.4	7752.2
27.5°	8139.6	8106.9	8137.1	8144.7	8101.9	8132.1	8101.9	8124.5	8137.1	8084.3
30°	8507.0	8474.3	8502.0	8522.1	8471.8	8519.6	8494.4	8509.5	8512.0	8449.1
32.5°	8907.1	8856.7	8927.2	8937.3	8881.9	8939.8	8907.1	8927.2	8939.8	8854.2
35°	9395.2	9332.3	9412.8	9400.2	9352.4	9400.2	9370.0	9400.2	9430.4	9327.3
37.5°	9921.1	9855.6	9941.2	9918.5	9873.2	9906.0	9888.3	9908.5	9956.3	9845.6
40°	10499.8	10419.2	10535.0	10494.7	10452.0	10446.9	10457.0	10469.6	10532.5	10409.2
42.5°	11118.7	11033.2	11206.8	11143.9	11083.5	11043.2	11076.0	11101.1	11161.5	11023.1
45°	11825.8	11727.6	11954.1	11878.6	11783.0	11699.9	11752.8	11790.5	11878.6	11712.5
47.5°	12605.8	12495.0	12736.6	12713.9	12557.9	12376.8	12497.6	12605.8	12671.2	12469.9
50°	13368.1	13282.6	13599.6	13627.3	13436.1	13181.9	13350.5	13514.1	13531.7	13267.5
52.5°	14082.7	13997.2	14457.6	14631.2	14460.1	14158.2	14336.8	14502.9	14369.6	14027.4
55°	14653.9	14583.4	15169.7	15617.5	15675.4	15426.3	15532.0	15527.0	15089.2	14563.3
57.5°	14792.3	14782.2	15521.9	16470.5	17074.4	17104.6	16895.7	16362.3	15418.8	14711.7
60°	14163.2	14226.1	15242.6	16915.9	18526.2	19195.5	18292.2	16769.9	15043.9	14062.6
62.5°	12281.2	12447.2	13672.6	16372.4	19698.7	21600.9	19411.9	16151.0	13504.0	12223.3
65°	8801.4	9090.7	10444.4	13972.0	19593.0	23714.4	19250.8	13858.8	10545.1	9068.1
67.5°	3993.1	4287.5	5437.3	9566.3	17031.6	23140.7	16991.3	9666.9	5709.1	4302.6
70°	1446.8	1497.1	1867.0	3829.5	10884.7	18438.1	11350.2	3857.2	1985.2	1595.2
72.5°	875.6	883.2	961.2	1371.3	3781.7	11194.2	3942.8	1416.6	981.3	870.6
75°	556.1	551.0	684.4	837.9	1341.1	3776.7	1406.5	837.9	681.9	621.5
77.5°	400.1	412.6	490.6	626.5	845.4	1280.7	830.3	598.8	490.6	402.6
80°	299.4	307.0	357.3	488.1	593.8	797.6	528.4	442.8	369.9	251.6
82.5°	216.4	216.4	234.0	354.8	362.3	430.3	286.8	312.0	244.1	178.6
85°	128.3	125.8	145.9	211.4	188.7	158.5	130.8	191.2	153.5	110.7
87.5°	45.3	47.8	45.3	60.4	50.3	42.8	40.3	52.8	42.8	37.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5968.2
6003.5
6086.5
6212.3
6363.3
6519.3
6690.4
6924.4
7188.5
7472.9
7792.4
8124.5
8486.9
8912.1
9390.2
9913.5
10449.4
11096.1
11798.1
12537.8
13300.2
14037.4
14580.9
14666.5
13946.8
12147.8
8959.9
4239.7
1575.1
885.7
626.5
410.1
259.2
178.6
108.2
35.2
0.0

OF REPORT)