

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: PORTFOLIO

Report Number: P251303

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70950 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6877.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

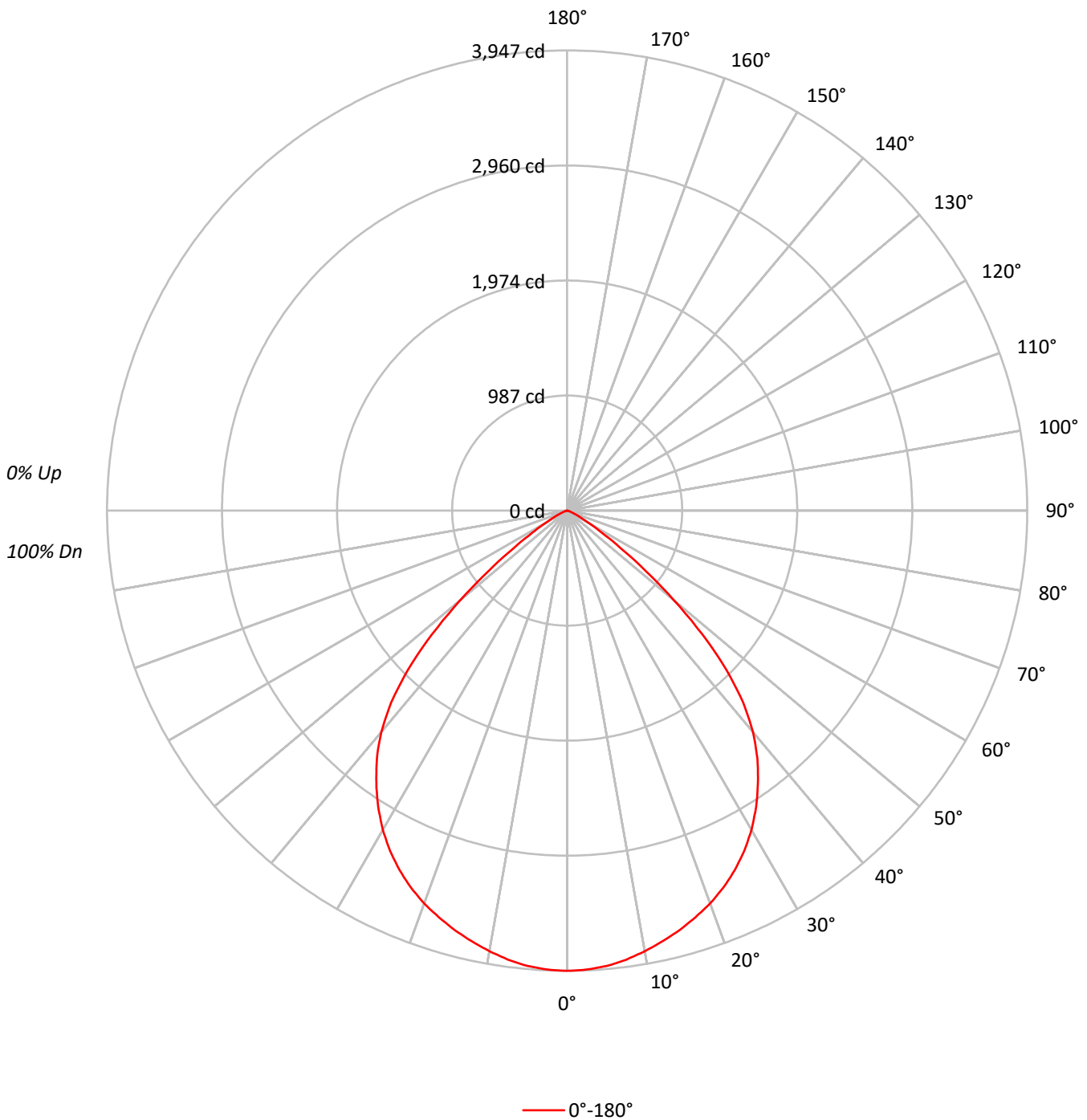
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121723
5°	121356
10°	120157
15°	118924
20°	117679
25°	115753
30°	112585
35°	107455
40°	99910
45°	84358
50°	57275
55°	29918
60°	13426
65°	6552
70°	2633
75°	1608
80°	1190
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.5	5.4
10°-20°	1050.8	15.3
20°-30°	1564.2	22.7
30°-40°	1778.1	25.9
40°-50°	1453.9	21.1
50°-60°	542.0	7.9
60°-70°	99.1	1.4
70°-80°	15.4	0.2
80°-90°	2.1	0.0
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°-30°	2986.5	43.4
0°-40°	4764.5	69.3
0°-60°	6760.4	98.3
0°-90°	6877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6877.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3947	
5°	3920	372
15°	3725	1051
25°	3402	1564
35°	2854	1778
45°	1934	1454
55°	556	542
65°	90	99
75°	14	15
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3947.4
2.5°	3940.7
5°	3920.5
7.5°	3884.6
10°	3837.4
12.5°	3783.6
15°	3725.2
17.5°	3657.9
20°	3586.1
22.5°	3500.8
25°	3402.1
27.5°	3289.9
30°	3161.9
32.5°	3016.1
35°	2854.5
37.5°	2681.7
40°	2482.0
42.5°	2235.1
45°	1934.4
47.5°	1573.1
50°	1193.9
52.5°	841.5
55°	556.5
57.5°	350.1
60°	217.7
62.5°	139.1
65°	89.8
67.5°	51.6
70°	29.2
72.5°	18.0
75°	13.5
77.5°	9.0
80°	6.7
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)