

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: P250867

Luminaire Tested: **LD8B70D010 ER8B70830 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70830 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8161.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

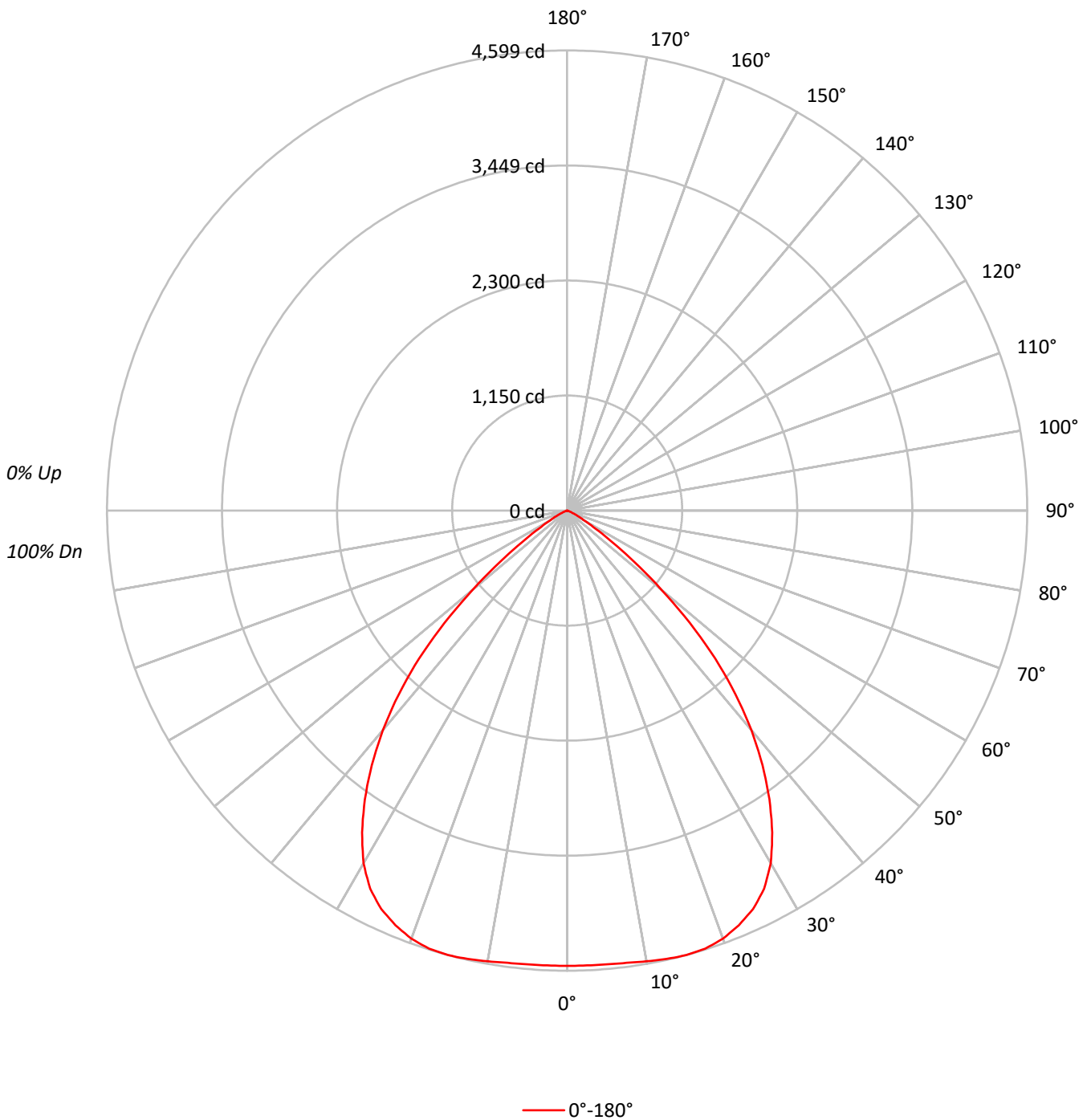
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140311
5°	140919
10°	143209
15°	146832
20°	149392
25°	149560
30°	144934
35°	132696
40°	115324
45°	91252
50°	59174
55°	29574
60°	12415
65°	5465
70°	1686
75°	834
80°	835
85°	814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.2	5.3
10°-20°	1299.7	15.9
20°-30°	2013.4	24.7
30°-40°	2186.6	26.8
40°-50°	1588.9	19.5
50°-60°	540.0	6.6
60°-70°	86.0	1.1
70°-80°	9.2	0.1
80°-90°	1.9	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°	3748.3	45.9
0°-40°	5934.9	72.7
0°-60°	8063.8	98.8
0°-90°	8161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8161.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4550	
5°	4552	435
15°	4599	1300
25°	4396	2013
35°	3525	2187
45°	2092	1589
55°	550	540
65°	75	86
75°	7	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4550.2
2.5°	4550.2
5°	4552.5
7.5°	4559.6
10°	4573.6
12.5°	4590.0
15°	4599.4
17.5°	4590.0
20°	4552.5
22.5°	4484.7
25°	4395.7
27.5°	4262.3
30°	4070.4
32.5°	3815.2
35°	3525.0
37.5°	3209.0
40°	2864.9
42.5°	2492.8
45°	2092.5
47.5°	1661.9
50°	1233.5
52.5°	845.0
55°	550.1
57.5°	334.7
60°	201.3
62.5°	124.1
65°	74.9
67.5°	42.1
70°	18.7
72.5°	11.7
75°	7.0
77.5°	4.7
80°	4.7
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)