

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: P244067

Luminaire Tested: **LD8B50D010 ER8B50940 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244067
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: LD8B50D010 ER8B50940 8LBSOLI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5527.0 lumens
Efficiency: N/A
Efficacy: 104.3 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

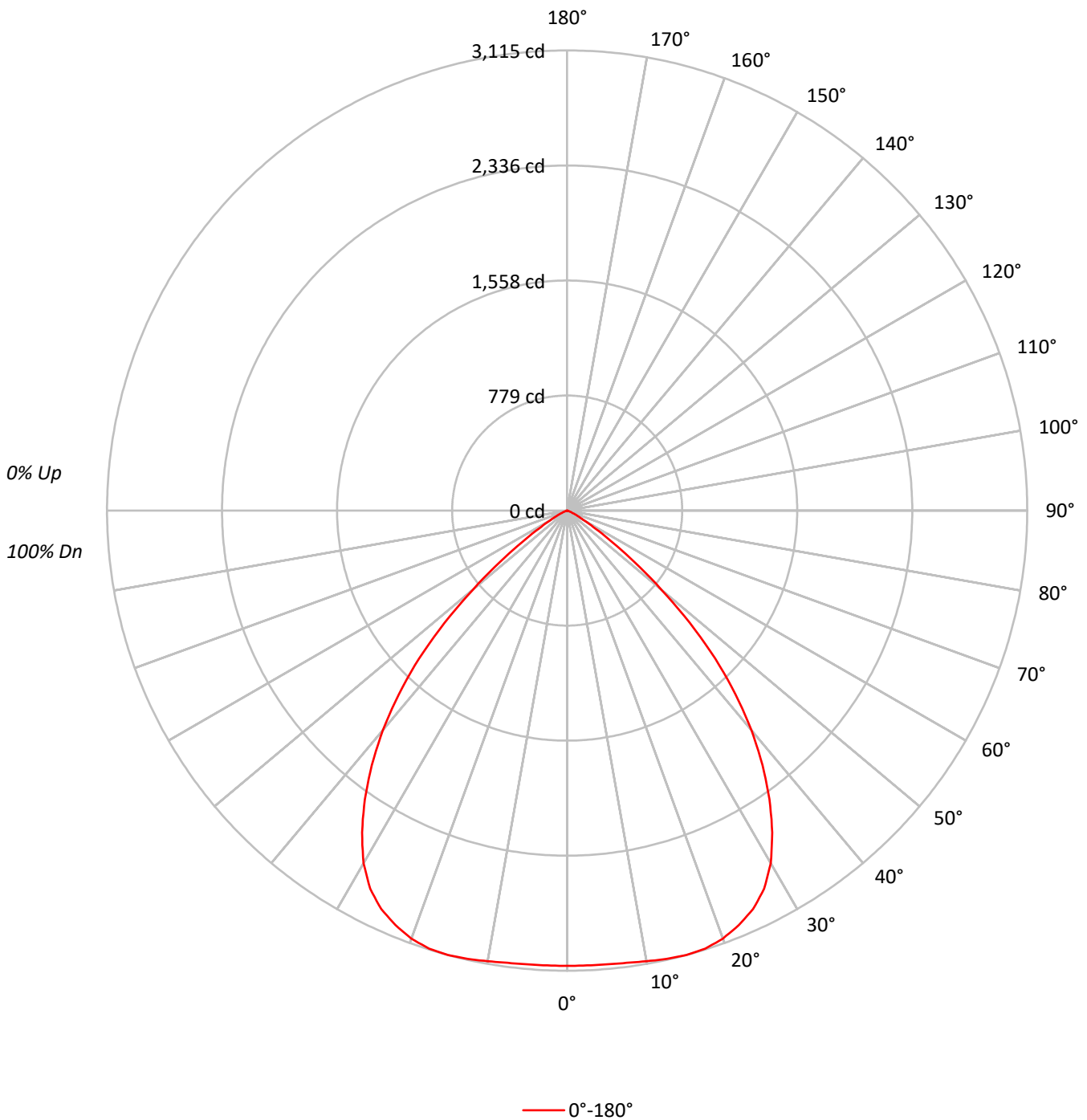
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	95025
5°	95438
10°	96989
15°	99440
20°	101176
25°	101290
30°	98153
35°	89868
40°	78105
45°	61803
50°	40076
55°	20026
60°	8406
65°	3699
70°	1145
75°	572
80°	568
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.8	5.3
10°-20°	880.2	15.9
20°-30°	1363.6	24.7
30°-40°	1480.9	26.8
40°-50°	1076.1	19.5
50°-60°	365.7	6.6
60°-70°	58.2	1.1
70°-80°	6.3	0.1
80°-90°	1.3	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°	2538.5	45.9
0°-40°	4019.4	72.7
0°-60°	5461.2	98.8
0°-90°	5527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5527.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3082	
5°	3083	295
15°	3115	880
25°	2977	1364
35°	2387	1481
45°	1417	1076
55°	372	366
65°	51	58
75°	5	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3081.6
2.5°	3081.6
5°	3083.2
7.5°	3087.9
10°	3097.5
12.5°	3108.6
15°	3114.9
17.5°	3108.6
20°	3083.2
22.5°	3037.2
25°	2977.0
27.5°	2886.6
30°	2756.6
32.5°	2583.9
35°	2387.3
37.5°	2173.3
40°	1940.3
42.5°	1688.2
45°	1417.2
47.5°	1125.5
50°	835.4
52.5°	572.3
55°	372.5
57.5°	226.7
60°	136.3
62.5°	84.0
65°	50.7
67.5°	28.5
70°	12.7
72.5°	7.9
75°	4.8
77.5°	3.2
80°	3.2
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)