

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: P244061

Luminaire Tested: **LSR8B50D010 EC8B50935 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244061  
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: LSR8B50D010 EC8B50935 8LBS0LI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5292.0 lumens  
Efficiency: N/A  
Efficacy: 99.8 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

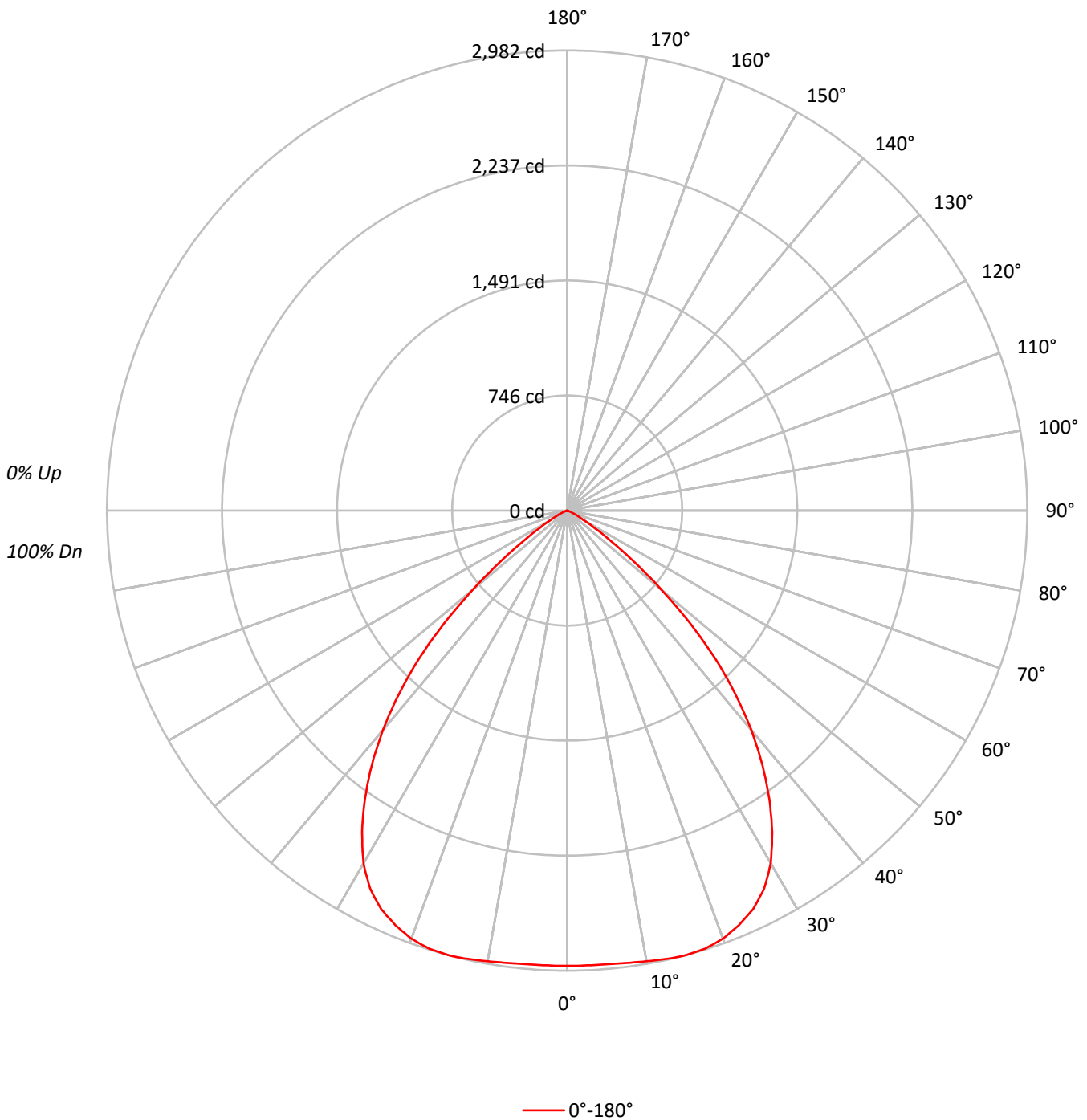
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	90986
5°	91380
10°	92865
15°	95214
20°	96874
25°	96982
30°	93980
35°	86047
40°	74784
45°	59173
50°	38373
55°	19177
60°	8048
65°	3546
70°	1091
75°	548
80°	533
85°	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.2	5.3
10°-20°	842.8	15.9
20°-30°	1305.6	24.7
30°-40°	1417.9	26.8
40°-50°	1030.3	19.5
50°-60°	350.2	6.6
60°-70°	55.8	1.1
70°-80°	6.0	0.1
80°-90°	1.2	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°	2430.6	45.9
0°-40°	3848.5	72.7
0°-60°	5229.0	98.8
0°-90°	5292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2951	
5°	2952	282
15°	2982	843
25°	2850	1306
35°	2286	1418
45°	1357	1030
55°	357	350
65°	49	56
75°	5	6
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2950.6
2.5°	2950.6
5°	2952.1
7.5°	2956.7
10°	2965.8
12.5°	2976.4
15°	2982.5
17.5°	2976.4
20°	2952.1
22.5°	2908.1
25°	2850.4
27.5°	2763.9
30°	2639.4
32.5°	2474.0
35°	2285.8
37.5°	2080.9
40°	1857.8
42.5°	1616.4
45°	1356.9
47.5°	1077.6
50°	799.9
52.5°	547.9
55°	356.7
57.5°	217.0
60°	130.5
62.5°	80.4
65°	48.6
67.5°	27.3
70°	12.1
72.5°	7.6
75°	4.6
77.5°	3.0
80°	3.0
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)