

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: P244301

Luminaire Tested: **LD8B50D010 ER8B50930 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B50D010 ER8B50930 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4558.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

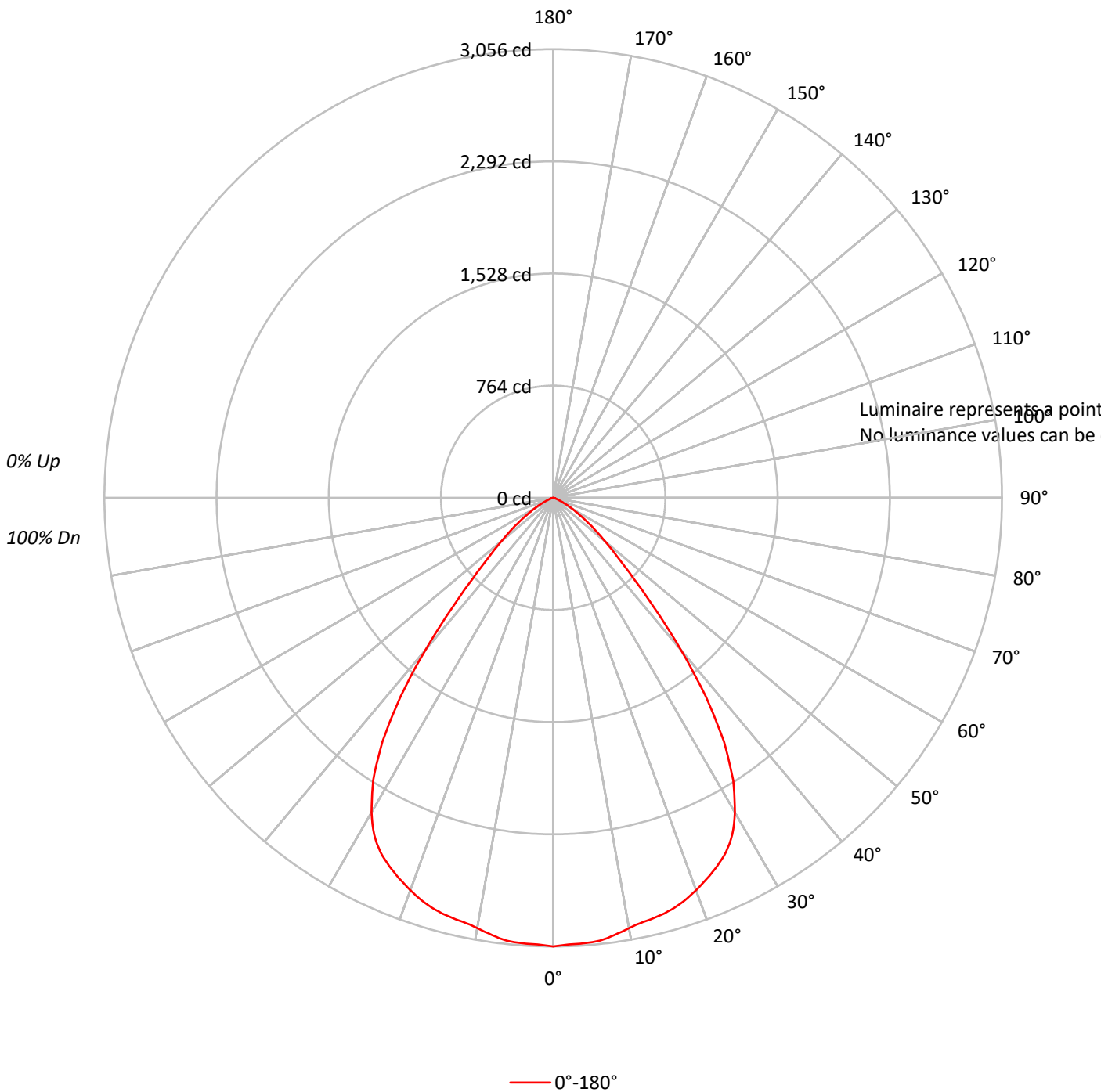
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.0	6.3
10°-20°	826.4	18.1
20°-30°	1243.6	27.3
30°-40°	1231.2	27.0
40°-50°	625.6	13.7
50°-60°	252.0	5.5
60°-70°	76.4	1.7
70°-80°	13.2	0.3
80°-90°	1.6	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°	2358.0	51.7
0°-40°	3589.2	78.7
0°-60°	4466.9	98.0
0°-90°	4558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3056	
5°	3038	288
15°	2930	826
25°	2716	1244
35°	2026	1231
45°	767	626
55°	271	252
65°	70	76
75°	10	13
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3056.3
1°	3049.7
2°	3044.4
3°	3043.2
4°	3041.8
5°	3037.9
6°	3032.6
7°	3022.1
8°	3006.3
9°	2991.7
10°	2975.9
11°	2962.8
12°	2953.6
13°	2947.0
14°	2939.0
15°	2929.8
16°	2918.0
17°	2903.5
18°	2886.4
19°	2866.6
20°	2844.2
21°	2820.5
22°	2796.8
23°	2771.8
24°	2745.4
25°	2716.4
26°	2684.8
27°	2644.0
28°	2596.6
29°	2539.8
30°	2474.0
32.5°	2281.7
35°	2026.1
37.5°	1707.3
40°	1351.6
42.5°	1021.0
45°	766.8
47.5°	586.3
50°	459.7
52.5°	357.0
55°	271.4
57.5°	201.6
60°	151.4
62.5°	108.1
65°	69.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	43.5
70°	27.7
72.5°	17.2
75°	10.5
77.5°	6.6
80°	3.9
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)