

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: P244505

Luminaire Tested: **LD8B50D010 ER8B50950 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B50D010 ER8B50950 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5565.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

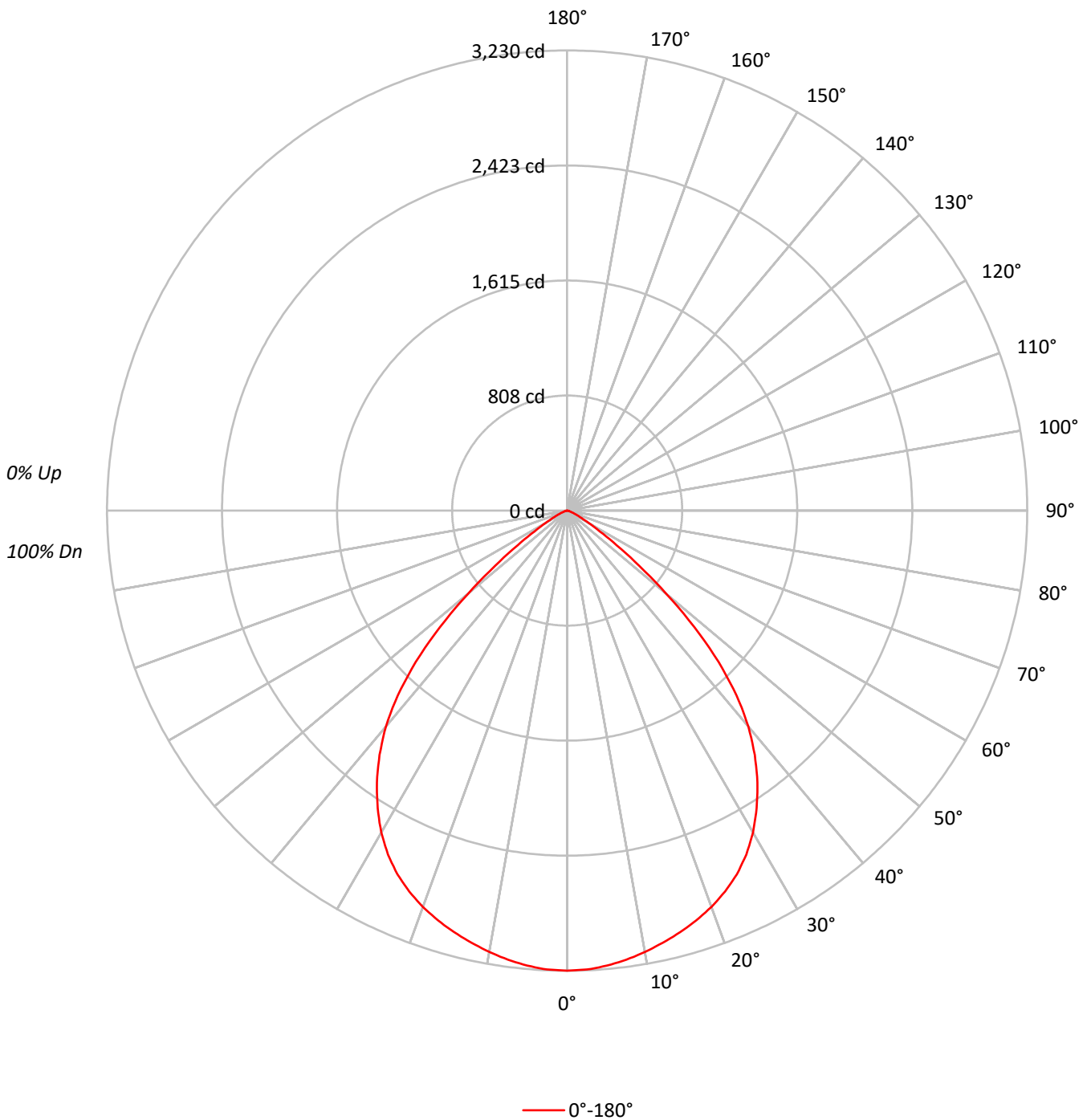
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	99586
5°	99254
10°	98501
15°	97809
20°	97146
25°	95866
30°	92905
35°	87658
40°	79667
45°	65553
50°	43694
55°	22763
60°	10725
65°	5626
70°	2813
75°	1954
80°	1456
85°	1168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.2	5.5
10°-20°	864.7	15.5
20°-30°	1293.6	23.2
30°-40°	1446.9	26.0
40°-50°	1135.1	20.4
50°-60°	414.2	7.4
60°-70°	84.4	1.5
70°-80°	18.1	0.3
80°-90°	3.8	0.1
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°	2462.5	44.2
0°-40°	3909.4	70.2
0°-60°	5458.7	98.1
0°-90°	5565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5565.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3230	
5°	3206	304
15°	3064	865
25°	2818	1294
35°	2329	1447
45°	1503	1135
55°	423	414
65°	77	84
75°	16	18
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3229.5
2.5°	3224.6
5°	3206.5
7.5°	3180.3
10°	3145.8
12.5°	3106.4
15°	3063.8
17.5°	3016.2
20°	2960.4
22.5°	2894.8
25°	2817.6
27.5°	2722.4
30°	2609.2
32.5°	2476.3
35°	2328.6
37.5°	2162.9
40°	1979.1
42.5°	1760.8
45°	1503.2
47.5°	1212.7
50°	910.8
52.5°	638.4
55°	423.4
57.5°	270.8
60°	173.9
62.5°	114.9
65°	77.1
67.5°	49.2
70°	31.2
72.5°	21.3
75°	16.4
77.5°	11.5
80°	8.2
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)