

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: P244493

Luminaire Tested: **LD8B50D010 ER8B50935 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244493  
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 ER8B50935 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5147.0 lumens  
Efficiency: N/A  
Efficacy: 97.1 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

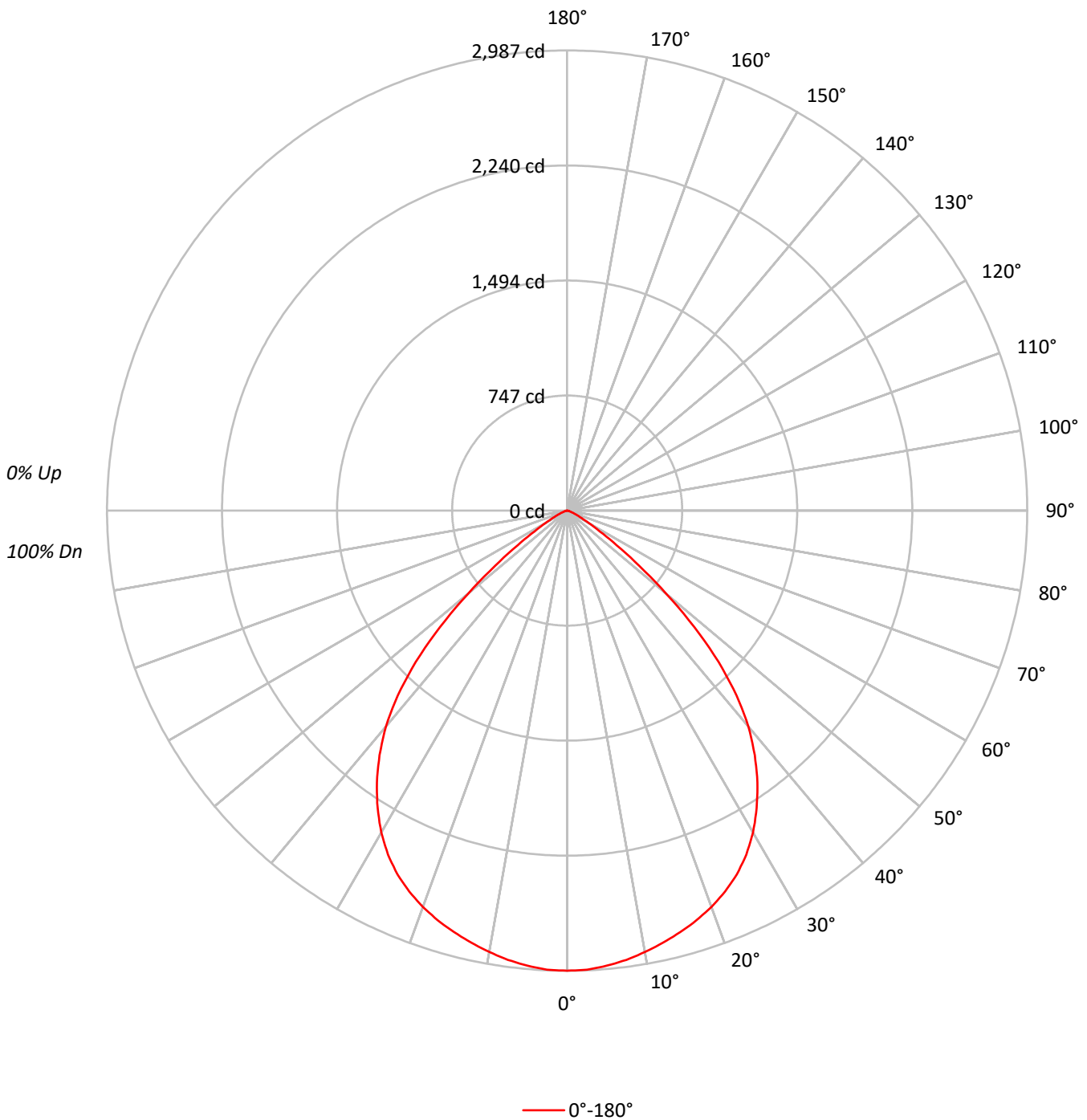
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	92105
5°	91801
10°	91102
15°	90460
20°	89848
25°	88667
30°	85926
35°	81074
40°	73681
45°	60630
50°	40412
55°	21053
60°	9923
65°	5202
70°	2597
75°	1811
80°	1350
85°	1061



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.3	5.5
10°-20°	799.8	15.5
20°-30°	1196.4	23.2
30°-40°	1338.2	26.0
40°-50°	1049.9	20.4
50°-60°	383.1	7.4
60°-70°	78.1	1.5
70°-80°	16.8	0.3
80°-90°	3.5	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°	2277.5	44.2
0°-40°	3615.7	70.2
0°-60°	5048.6	98.1
0°-90°	5147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5147.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2987	
5°	2966	281
15°	2834	800
25°	2606	1196
35°	2154	1338
45°	1390	1050
55°	392	383
65°	71	78
75°	15	17
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2986.9
2.5°	2982.4
5°	2965.7
7.5°	2941.4
10°	2909.5
12.5°	2873.1
15°	2833.6
17.5°	2789.6
20°	2738.0
22.5°	2677.3
25°	2606.0
27.5°	2518.0
30°	2413.2
32.5°	2290.3
35°	2153.7
37.5°	2000.4
40°	1830.4
42.5°	1628.6
45°	1390.3
47.5°	1121.6
50°	842.4
52.5°	590.4
55°	391.6
57.5°	250.4
60°	160.9
62.5°	106.2
65°	71.3
67.5°	45.5
70°	28.8
72.5°	19.7
75°	15.2
77.5°	10.6
80°	7.6
82.5°	4.6
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)