

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: P249643

Luminaire Tested: **LD8B150D010 ER8B150935 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B150D010 ER8B150935 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13777.0 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

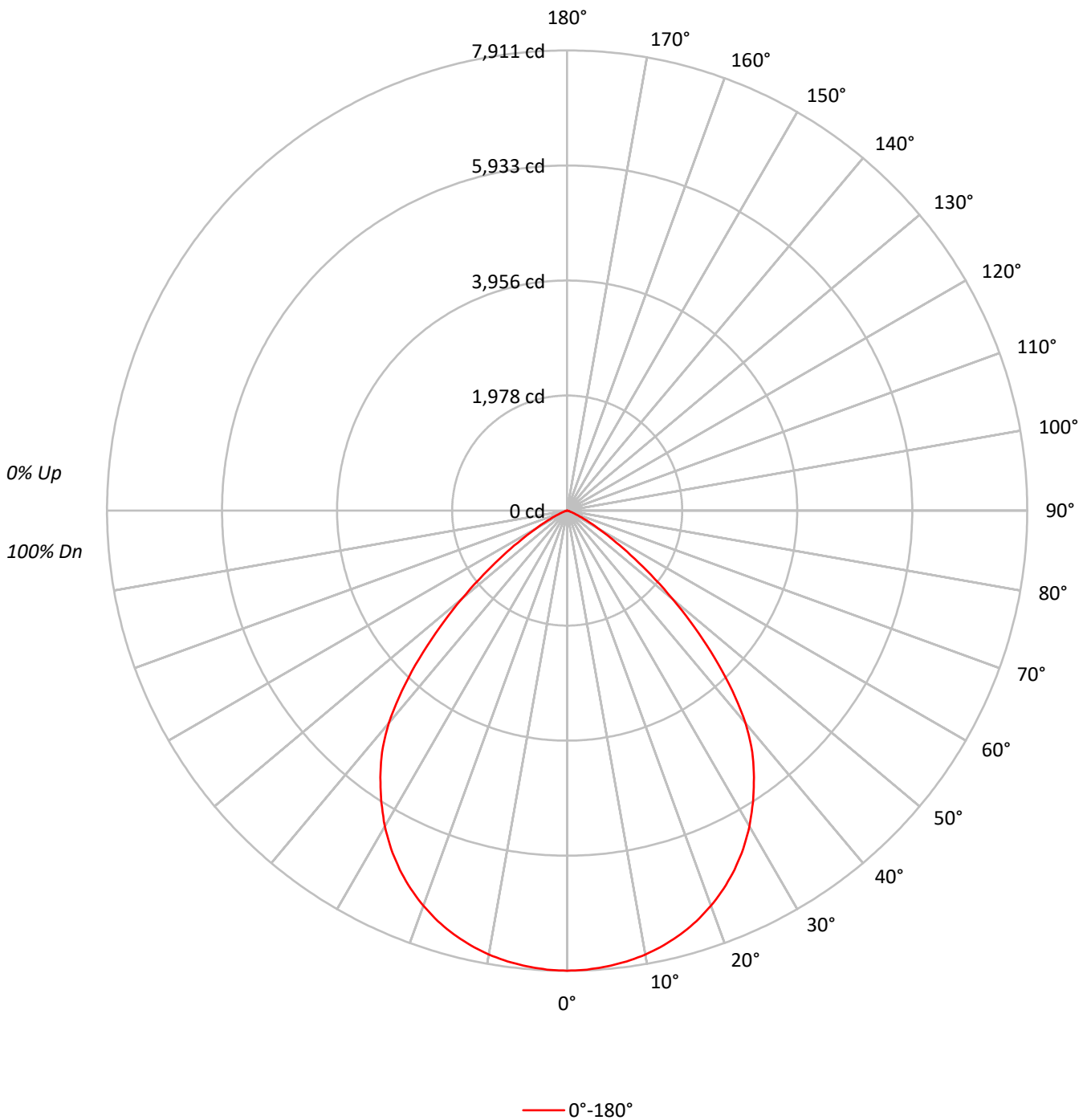
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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

	0°
0°	243955
5°	243541
10°	242671
15°	240746
20°	237251
25°	231772
30°	223272
35°	210815
40°	192168
45°	156788
50°	113446
55°	71610
60°	38447
65°	17424
70°	5923
75°	2943
80°	1971
85°	920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	747.3	5.4
10°-20°	2124.8	15.4
20°-30°	3129.0	22.7
30°-40°	3483.8	25.3
40°-50°	2751.5	20.0
50°-60°	1233.6	9.0
60°-70°	272.3	2.0
70°-80°	30.7	0.2
80°-90°	4.1	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°	6001.1	43.6
0°-40°	9484.9	68.8
0°-60°	13470.0	97.8
0°-90°	13777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13777.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7911	
5°	7868	747
15°	7541	2125
25°	6812	3129
35°	5600	3484
45°	3595	2751
55°	1332	1234
65°	239	272
75°	25	31
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7911.3
2.5°	7899.3
5°	7867.8
7.5°	7819.2
10°	7750.1
12.5°	7657.1
15°	7541.2
17.5°	7399.6
20°	7229.9
22.5°	7034.6
25°	6812.0
27.5°	6555.3
30°	6270.5
32.5°	5943.9
35°	5600.2
37.5°	5231.0
40°	4773.9
42.5°	4208.5
45°	3595.3
47.5°	2971.1
50°	2364.8
52.5°	1810.5
55°	1332.0
57.5°	930.4
60°	623.4
62.5°	394.8
65°	238.8
67.5°	133.0
70°	65.7
72.5°	35.8
75°	24.7
77.5°	17.9
80°	11.1
82.5°	6.0
85°	2.6
87.5°	0.9
90°	0.0

(END OF REPORT)