

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: P249646

Luminaire Tested: **LD8B150D010 ER8B150940 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249646  
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 ER8B150940 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14389.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 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

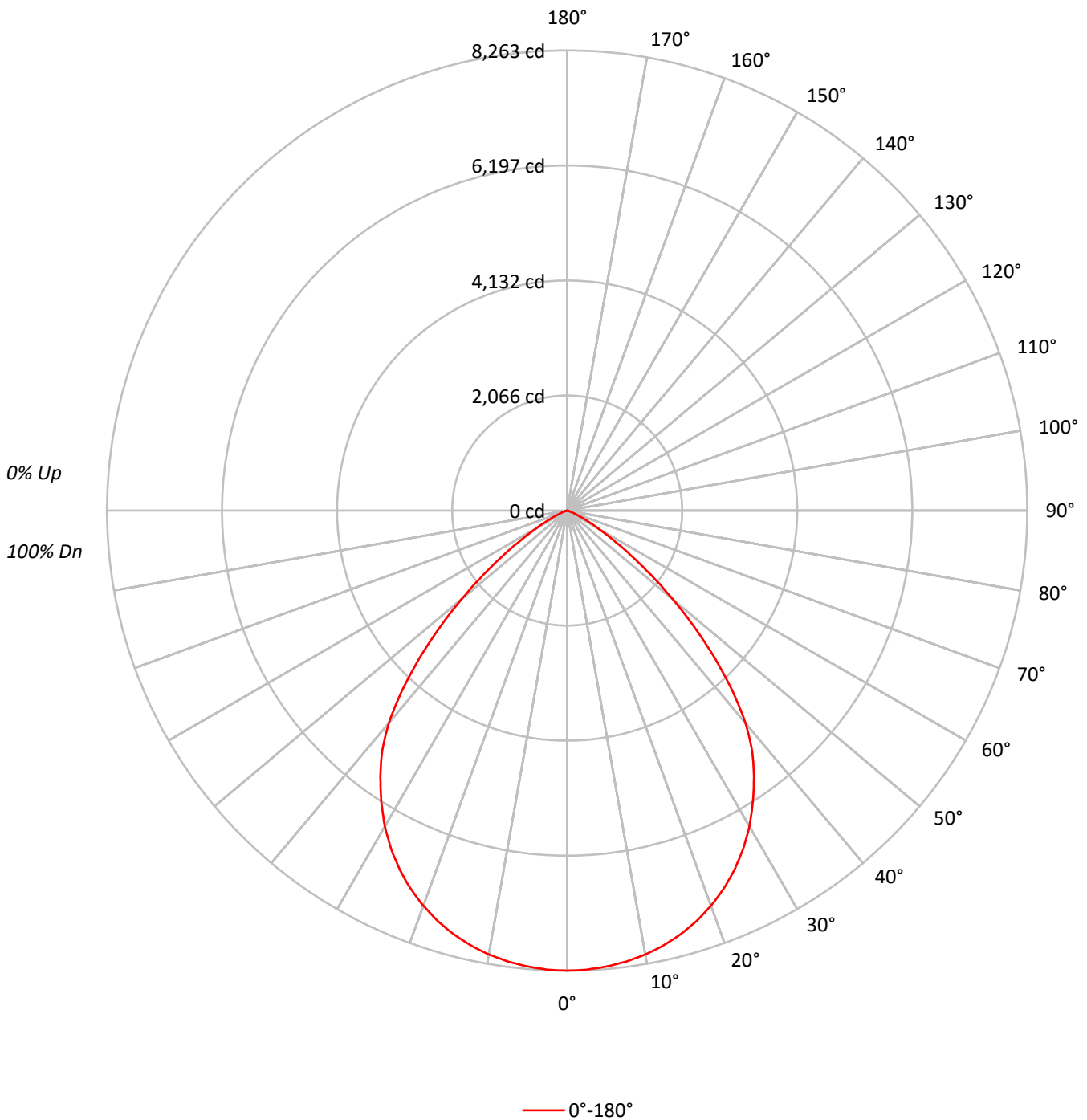
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	254791
5°	254359
10°	253452
15°	251437
20°	247792
25°	242068
30°	233192
35°	220181
40°	200702
45°	163752
50°	118483
55°	74793
60°	40155
65°	18197
70°	6185
75°	3074
80°	2060
85°	955



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.5	5.4
10°-20°	2219.1	15.4
20°-30°	3268.0	22.7
30°-40°	3638.6	25.3
40°-50°	2873.7	20.0
50°-60°	1288.4	9.0
60°-70°	284.4	2.0
70°-80°	32.1	0.2
80°-90°	4.2	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°	6267.6	43.6
0°-40°	9906.2	68.8
0°-60°	14068.3	97.8
0°-90°	14389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8263	
5°	8217	781
15°	7876	2219
25°	7115	3268
35°	5849	3639
45°	3755	2874
55°	1391	1288
65°	249	284
75°	26	32
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8262.7
2.5°	8250.2
5°	8217.3
7.5°	8166.5
10°	8094.4
12.5°	7997.3
15°	7876.1
17.5°	7728.3
20°	7551.1
22.5°	7347.1
25°	7114.6
27.5°	6846.5
30°	6549.1
32.5°	6207.9
35°	5849.0
37.5°	5463.3
40°	4985.9
42.5°	4395.4
45°	3755.0
47.5°	3103.1
50°	2469.8
52.5°	1890.9
55°	1391.2
57.5°	971.7
60°	651.1
62.5°	412.4
65°	249.4
67.5°	138.9
70°	68.6
72.5°	37.4
75°	25.8
77.5°	18.7
80°	11.6
82.5°	6.2
85°	2.7
87.5°	0.9
90°	0.0

(END OF REPORT)