

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: P250572

Luminaire Tested: **LD8B150D010 ER8B150850 8LBM0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B150D010 ER8B150850 8LBM0B  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10356.9 lumens  
Efficiency: N/A  
Efficacy: 65.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

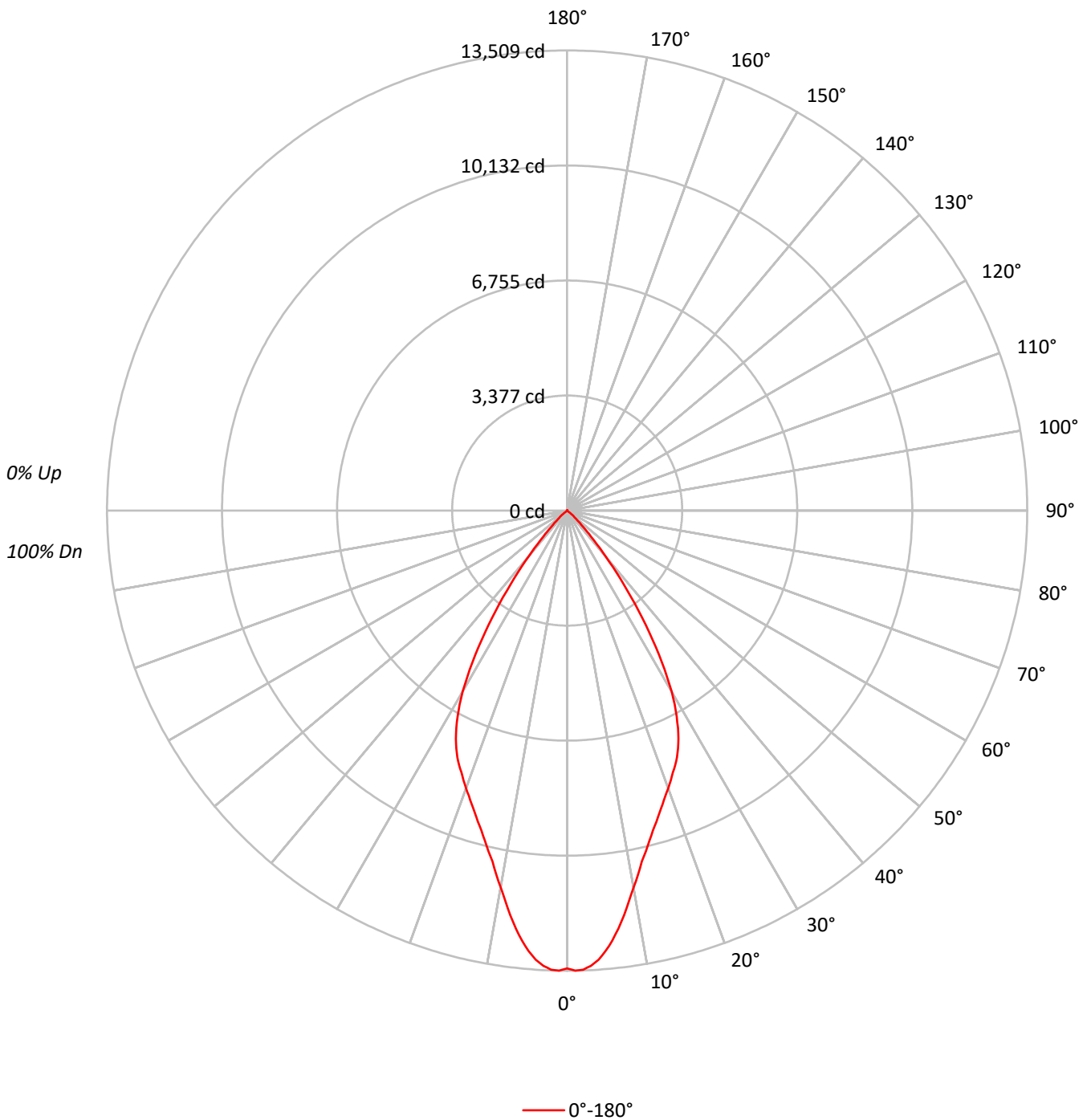
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

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

	0°
0°	414397
5°	401725
10°	351831
15°	310615
20°	284630
25°	262081
30°	218134
35°	144885
40°	70513
45°	25538
50°	7685
55°	538
60°	0
65°	365
70°	0
75°	0
80°	888
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1180.4	11.4
10°-20°	2741.2	26.5
20°-30°	3477.7	33.6
30°-40°	2382.4	23.0
40°-50°	542.9	5.2
50°-60°	27.0	0.3
60°-70°	1.2	0.0
70°-80°	2.0	0.0
80°-90°	2.0	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°	7399.3	71.4
0°-40°	9781.7	94.4
0°-60°	10351.7	99.9
0°-90°	10356.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10356.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13439	
5°	12978	###
15°	9730	2741
25°	7703	3478
35°	3849	2382
45°	586	543
55°	10	27
65°	5	1
75°	0	2
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13438.6
1°	13508.6
2°	13483.5
3°	13383.5
4°	13213.2
5°	12978.1
6°	12692.8
7°	12362.5
8°	11997.0
9°	11606.6
10°	11236.3
11°	10895.9
12°	10530.6
13°	10265.4
14°	9985.1
15°	9729.8
16°	9499.6
17°	9274.3
18°	9064.1
19°	8858.9
20°	8673.7
21°	8483.5
22°	8288.3
23°	8118.2
24°	7928.0
25°	7702.8
26°	7452.5
27°	7162.2
28°	6851.9
29°	6506.6
30°	6126.2
31°	5695.7
32°	5250.3
33°	4784.8
34°	4309.3
35°	3848.8
37.5°	2717.7
40°	1751.7
42.5°	1031.0
45°	585.6
47.5°	315.3
50°	160.2
52.5°	30.0
55°	10.0
57.5°	5.0



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	0.0
62.5°	0.0
65°	5.0
67.5°	0.0
70°	0.0
72.5°	5.0
75°	0.0
77.5°	0.0
80°	5.0
82.5°	0.0
85°	0.0
87.5°	5.0
90°	0.0

(END OF REPORT)