

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: P250712

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150827 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15086.0 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

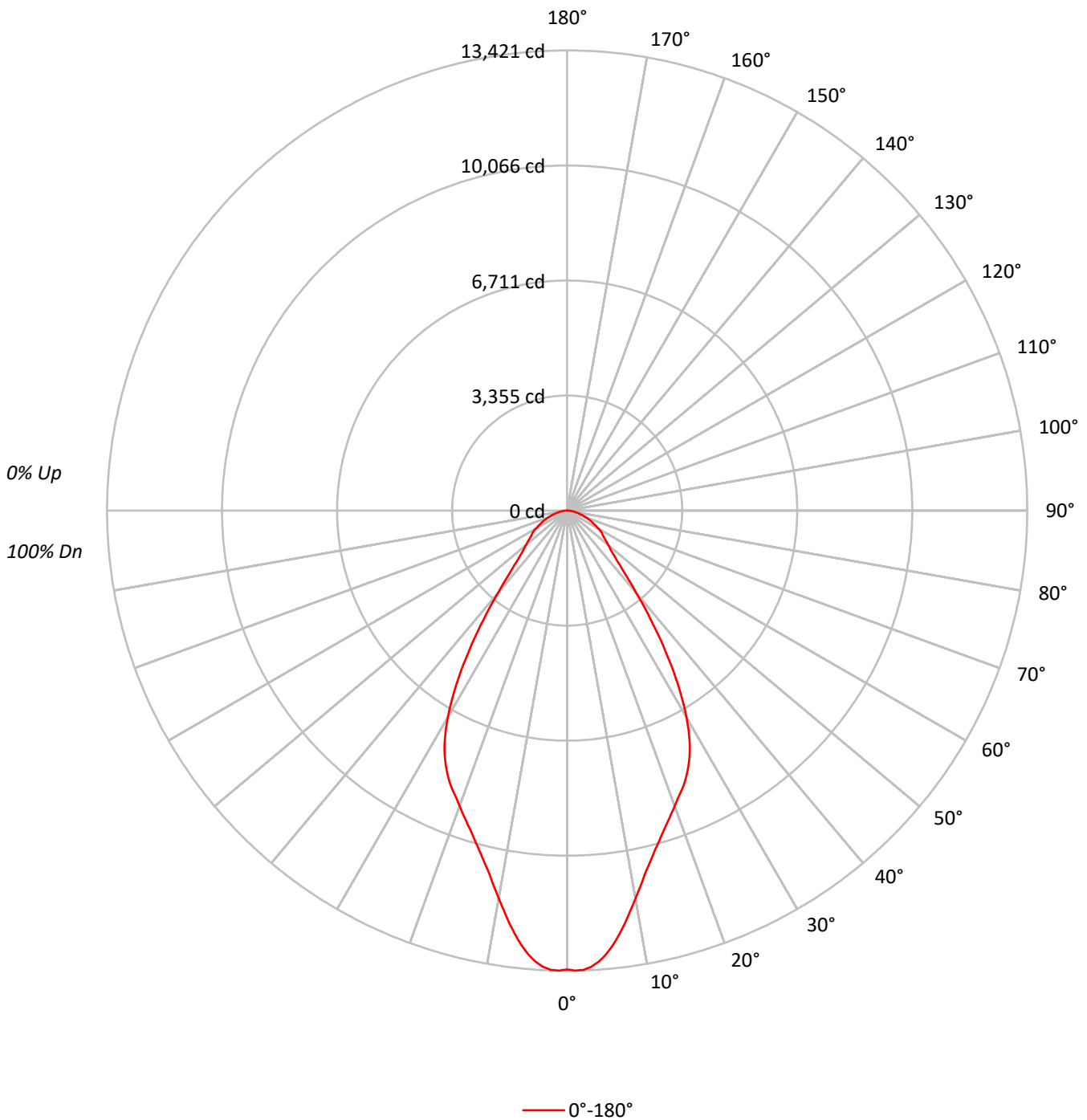
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

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

	0°
0°	412655
5°	402202
10°	359568
15°	323126
20°	300920
25°	283492
30°	247880
35°	187799
40°	126148
45°	88888
50°	75380
55°	68756
60°	65139
65°	58598
70°	52725
75°	47323
80°	41855
85°	40157



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1189.3	7.9
10°-20°	2854.5	18.9
20°-30°	3782.7	25.1
30°-40°	3101.9	20.6
40°-50°	1652.1	11.0
50°-60°	1162.8	7.7
60°-70°	801.8	5.3
70°-80°	417.6	2.8
80°-90°	123.5	0.8
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°	7826.4	51.9
0°-40°	10928.3	72.4
0°-60°	13743.1	91.1
0°-90°	15086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15086.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13382	
5°	12994	###
15°	10122	2854
25°	8332	3783
35°	4989	3102
45°	2038	1652
55°	1279	1163
65°	803	802
75°	397	418
85°	114	123
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13382.1
1°	13421.4
2°	13403.8
3°	13325.2
4°	13190.0
5°	12993.5
6°	12749.2
7°	12456.8
8°	12142.5
9°	11806.4
10°	11483.4
11°	11173.5
12°	10859.2
13°	10597.4
14°	10348.6
15°	10121.7
16°	9907.8
17°	9711.4
18°	9528.0
19°	9344.7
20°	9170.1
21°	8999.9
22°	8851.6
23°	8698.7
24°	8519.8
25°	8332.1
26°	8118.3
27°	7878.2
28°	7607.6
29°	7306.4
30°	6961.6
31°	6599.3
32°	6219.7
33°	5813.8
34°	5407.8
35°	4988.8
37.5°	3998.0
40°	3133.8
42.5°	2474.8
45°	2038.3
47.5°	1750.3
50°	1571.3
52.5°	1414.2
55°	1278.9
57.5°	1195.9



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1056.2
62.5°	920.9
65°	803.1
67.5°	698.3
70°	584.8
72.5°	488.8
75°	397.2
77.5°	288.0
80°	235.7
82.5°	170.2
85°	113.5
87.5°	52.3
90°	0.0

(END OF REPORT)