

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: P250726

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBM0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250726  
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 EC8B150835 8LBM0MW  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16081.0 lumens  
Efficiency: N/A  
Efficacy: 101.5 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

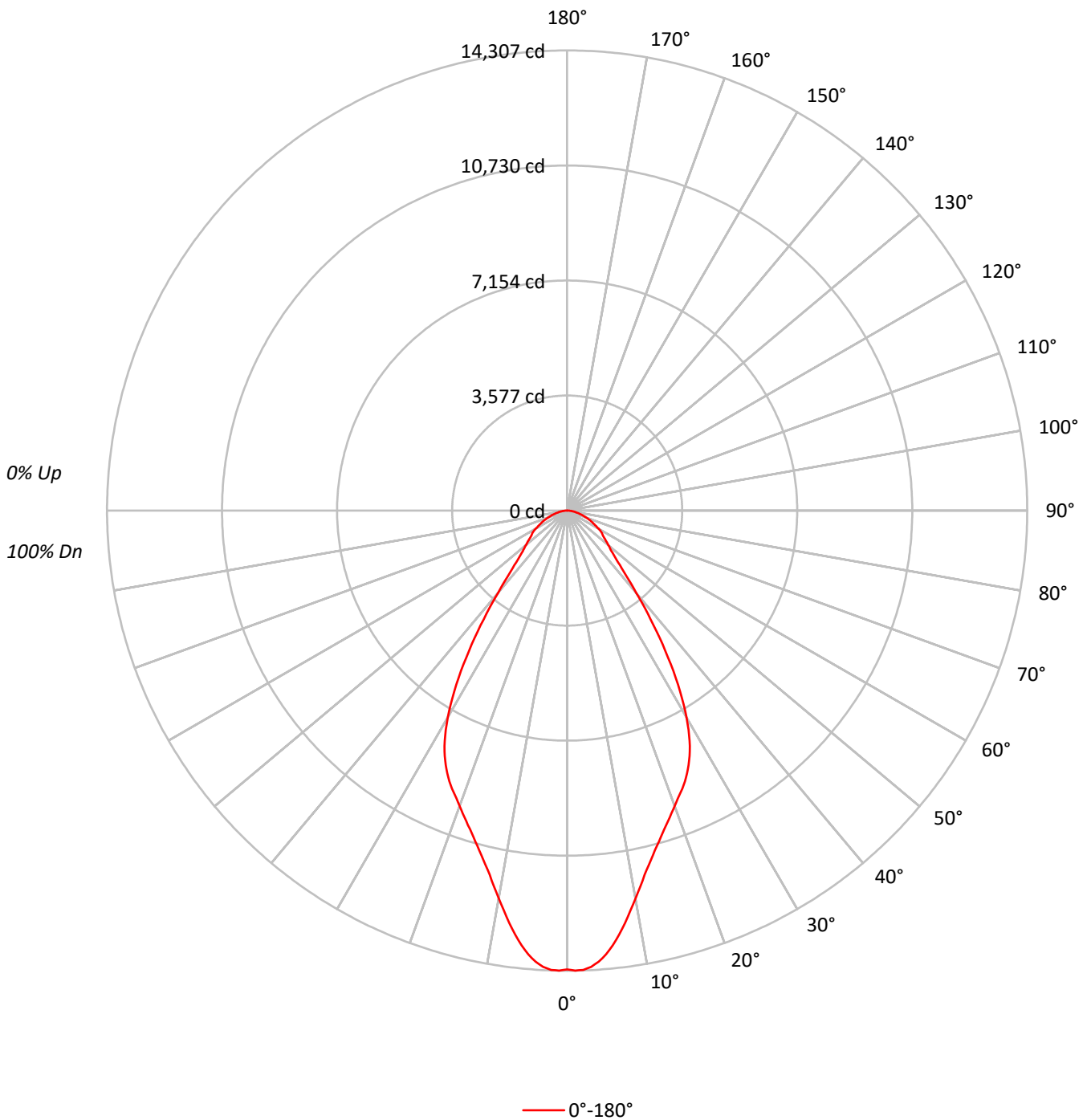
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	439871
5°	428730
10°	383284
15°	344439
20°	320766
25°	302192
30°	264227
35°	200184
40°	134468
45°	94750
50°	80350
55°	73288
60°	69437
65°	62465
70°	56205
75°	50445
80°	44608
85°	42811



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1267.7	7.9
10°-20°	3042.7	18.9
20°-30°	4032.2	25.1
30°-40°	3306.4	20.6
40°-50°	1761.0	11.0
50°-60°	1239.5	7.7
60°-70°	854.7	5.3
70°-80°	445.1	2.8
80°-90°	131.7	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°	8342.6	51.9
0°-40°	11649.1	72.4
0°-60°	14649.5	91.1
0°-90°	16081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16081.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14265	
5°	13850	###
15°	10789	3043
25°	8882	4032
35°	5318	3306
45°	2173	1761
55°	1363	1239
65°	856	855
75°	423	445
85°	121	132
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14264.7
1°	14306.6
2°	14287.9
3°	14204.1
4°	14060.0
5°	13850.5
6°	13590.1
7°	13278.4
8°	12943.3
9°	12585.1
10°	12240.8
11°	11910.5
12°	11575.4
13°	11296.3
14°	11031.2
15°	10789.3
16°	10561.2
17°	10351.9
18°	10156.4
19°	9961.1
20°	9774.9
21°	9593.5
22°	9435.4
23°	9272.5
24°	9081.8
25°	8881.7
26°	8653.7
27°	8397.8
28°	8109.4
29°	7788.3
30°	7420.7
31°	7034.6
32°	6629.9
33°	6197.2
34°	5764.5
35°	5317.8
37.5°	4261.7
40°	3340.5
42.5°	2638.0
45°	2172.7
47.5°	1865.7
50°	1674.9
52.5°	1507.5
55°	1363.2
57.5°	1274.8



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	1125.9
62.5°	981.6
65°	856.1
67.5°	744.4
70°	623.4
72.5°	521.0
75°	423.4
77.5°	307.0
80°	251.2
82.5°	181.5
85°	121.0
87.5°	55.8
90°	0.0

(END OF REPORT)