

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: P248045

Luminaire Tested: **LSR8B150D010 EC8B150950 8LBM0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248045  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150950 8LBM0WMH  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14161.9 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

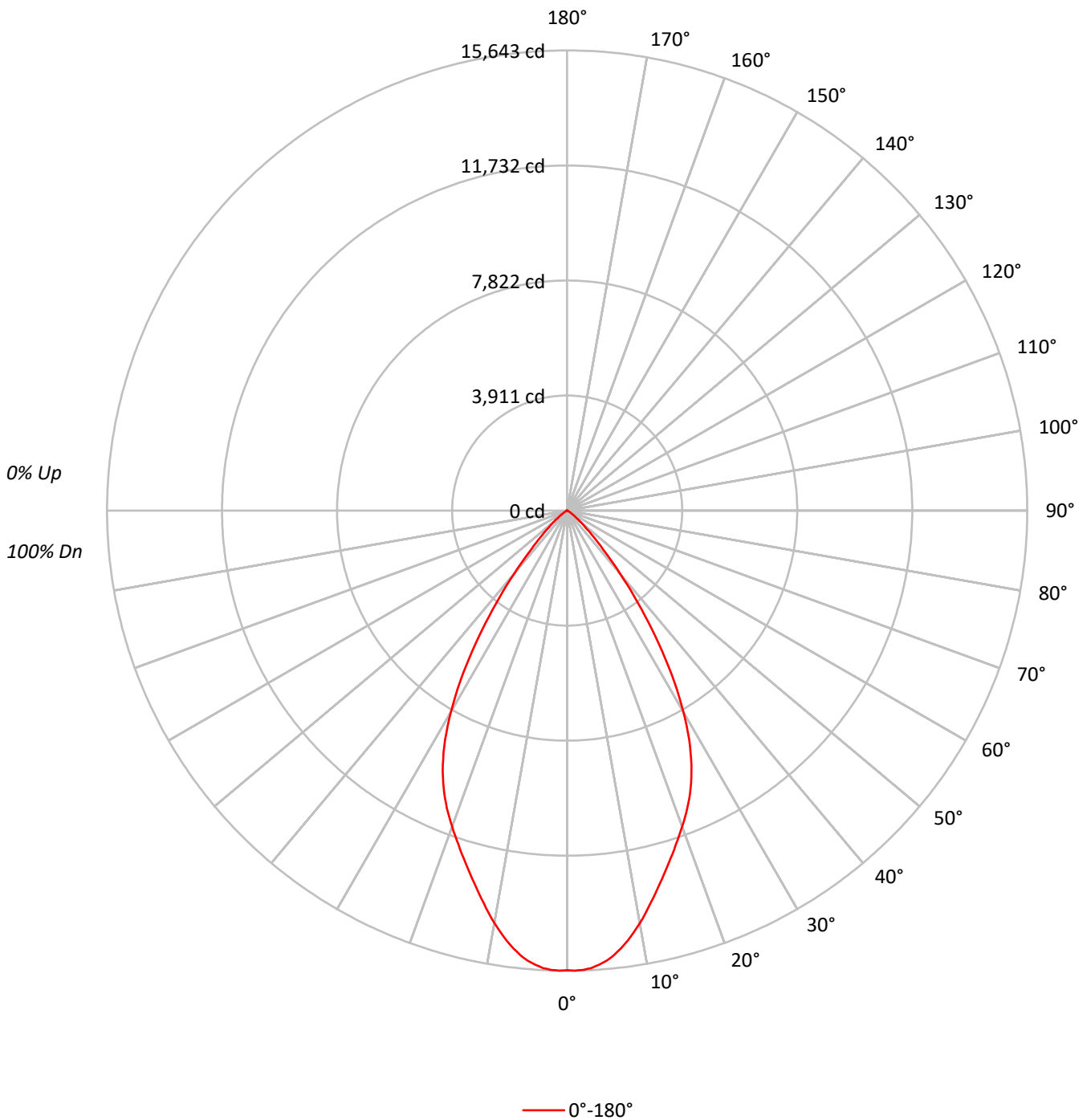
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

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

	0°
0°	481709
5°	475508
10°	445767
15°	407639
20°	375269
25°	340054
30°	281581
35°	197485
40°	112385
45°	55118
50°	27201
55°	12333
60°	5871
65°	3159
70°	388
75°	512
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1429.5	10.1
10°-20°	3584.5	25.3
20°-30°	4524.9	32.0
30°-40°	3255.1	23.0
40°-50°	1077.3	7.6
50°-60°	234.6	1.7
60°-70°	48.4	0.3
70°-80°	5.1	0.0
80°-90°	2.4	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°	9539.0	67.4
0°-40°	12794.1	90.3
0°-60°	14106.1	99.6
0°-90°	14161.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14161.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15622	
5°	15362	###
15°	12769	3585
25°	9994	4525
35°	5246	3255
45°	1264	1077
55°	229	235
65°	43	48
75°	4	5
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15621.5
1°	15643.1
2°	15625.7
3°	15573.8
4°	15478.6
5°	15361.7
6°	15201.5
7°	14993.8
8°	14764.3
9°	14513.3
10°	14236.3
11°	13955.0
12°	13647.6
13°	13353.3
14°	13054.6
15°	12769.0
16°	12487.6
17°	12219.2
18°	11950.9
19°	11695.5
20°	11435.8
21°	11171.8
22°	10912.1
23°	10630.7
24°	10327.8
25°	9994.5
26°	9643.8
27°	9254.2
28°	8843.1
29°	8384.2
30°	7908.1
31°	7406.0
32°	6877.9
33°	6323.9
34°	5782.8
35°	5246.1
37.5°	3938.9
40°	2791.9
42.5°	1891.6
45°	1263.9
47.5°	848.3
50°	567.0
52.5°	342.0
55°	229.4
57.5°	160.1



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	95.2
62.5°	64.9
65°	43.3
67.5°	39.0
70°	4.3
72.5°	8.7
75°	4.3
77.5°	4.3
80°	0.0
82.5°	8.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)