

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: P250719

Luminaire Tested: **LSR8B150D010 EC8B150830 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250719
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 EC8B150830 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15464.0 lumens
Efficiency: N/A
Efficacy: 97.6 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

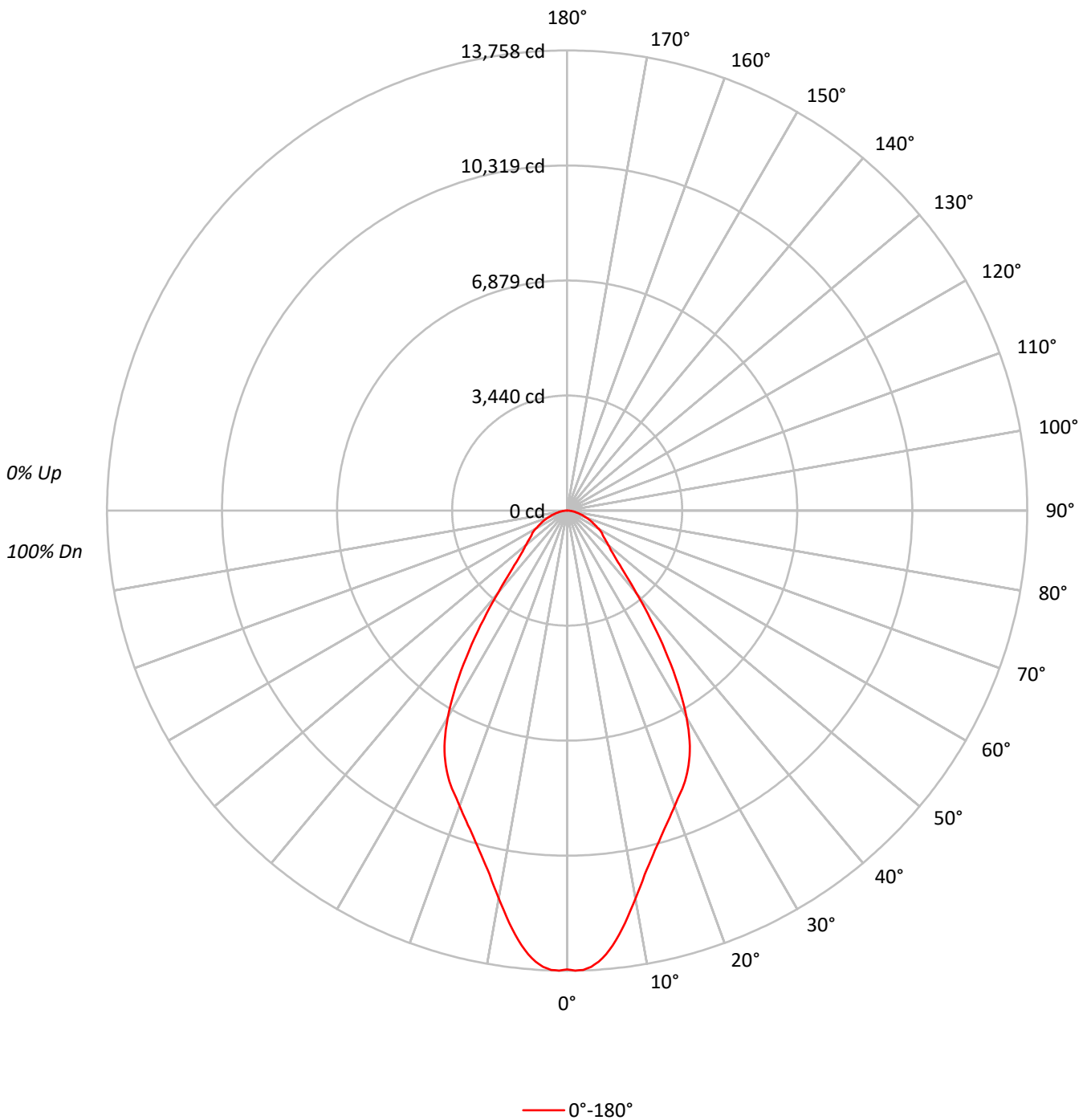
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	422994
5°	412281
10°	368580
15°	331222
20°	308461
25°	290597
30°	254089
35°	192505
40°	129308
45°	91117
50°	77270
55°	70476
60°	66773
65°	60065
70°	54051
75°	48503
80°	42903
85°	41183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1219.1	7.9
10°-20°	2926.0	18.9
20°-30°	3877.5	25.1
30°-40°	3179.6	20.6
40°-50°	1693.4	11.0
50°-60°	1191.9	7.7
60°-70°	821.9	5.3
70°-80°	428.0	2.8
80°-90°	126.6	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°	8022.5	51.9
0°-40°	11202.1	72.4
0°-60°	14087.5	91.1
0°-90°	15464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15464.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13717	
5°	13319	###
15°	10375	2926
25°	8541	3877
35°	5114	3180
45°	2089	1693
55°	1311	1192
65°	823	822
75°	407	428
85°	116	127
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13717.4
1°	13757.6
2°	13739.7
3°	13659.1
4°	13520.5
5°	13319.1
6°	13068.6
7°	12768.9
8°	12446.7
9°	12102.2
10°	11771.2
11°	11453.5
12°	11131.3
13°	10862.9
14°	10607.9
15°	10375.3
16°	10156.0
17°	9954.7
18°	9766.7
19°	9578.9
20°	9399.9
21°	9225.4
22°	9073.3
23°	8916.7
24°	8733.3
25°	8540.9
26°	8321.7
27°	8075.6
28°	7798.2
29°	7489.5
30°	7136.0
31°	6764.7
32°	6375.5
33°	5959.4
34°	5543.3
35°	5113.8
37.5°	4098.2
40°	3212.3
42.5°	2536.8
45°	2089.4
47.5°	1794.1
50°	1610.7
52.5°	1449.6
55°	1310.9
57.5°	1225.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	1082.7
62.5°	944.0
65°	823.2
67.5°	715.8
70°	599.5
72.5°	501.1
75°	407.1
77.5°	295.2
80°	241.6
82.5°	174.5
85°	116.4
87.5°	53.6
90°	0.0

(END OF REPORT)