

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: P250761

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250761
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 EC8B150935 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13713.0 lumens
Efficiency: N/A
Efficacy: 86.5 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

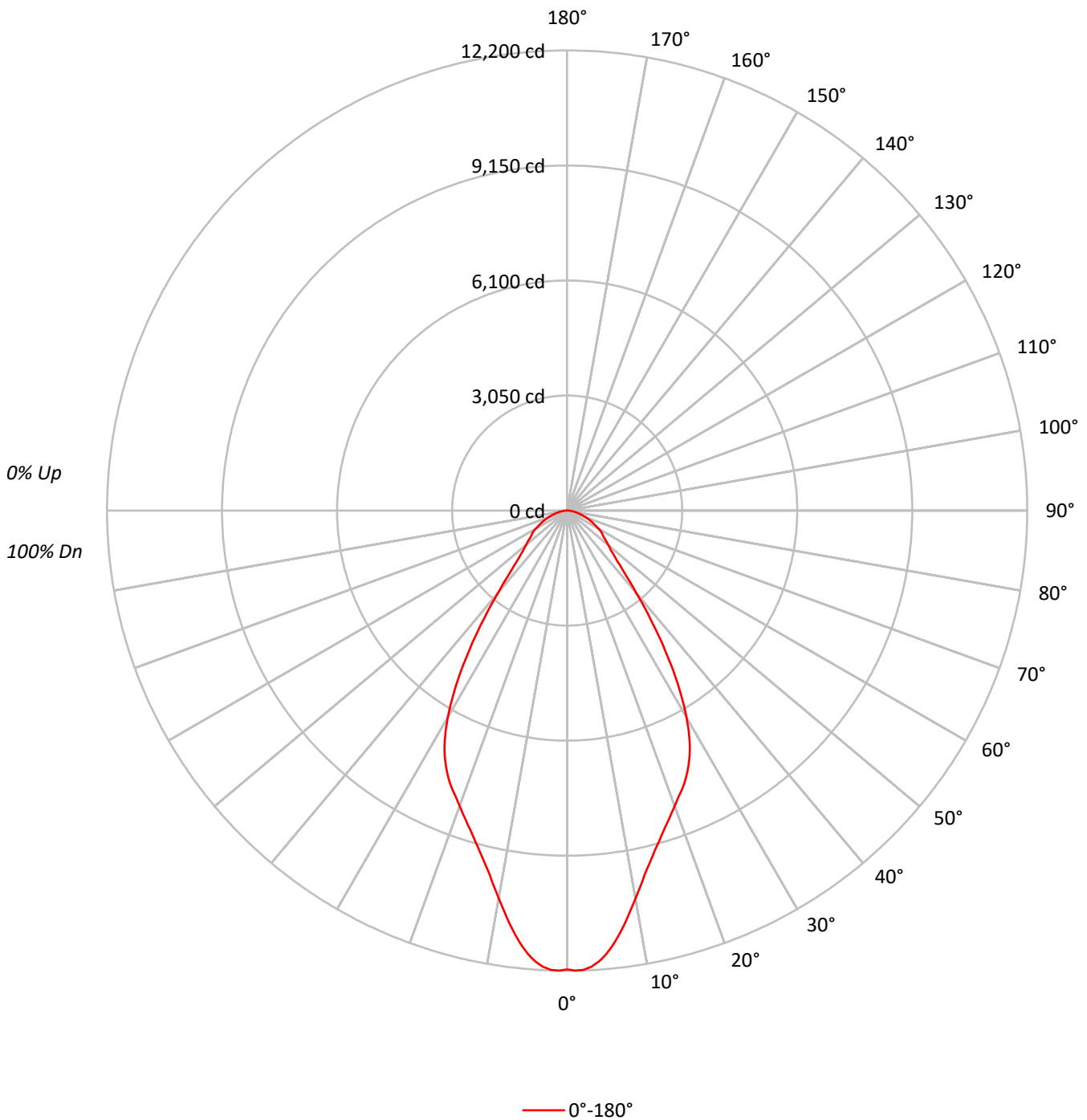
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	375096
5°	365599
10°	326844
15°	293718
20°	273532
25°	257692
30°	225319
35°	170705
40°	114667
45°	80799
50°	68520
55°	62498
60°	59212
65°	53264
70°	47929
75°	43010
80°	38037
85°	36513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.1	7.9
10°-20°	2594.7	18.9
20°-30°	3438.4	25.1
30°-40°	2819.5	20.6
40°-50°	1501.7	11.0
50°-60°	1057.0	7.7
60°-70°	728.8	5.3
70°-80°	379.5	2.8
80°-90°	112.3	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°	7114.1	51.9
0°-40°	9933.7	72.4
0°-60°	12492.3	91.1
0°-90°	13713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12164	
5°	11811	###
15°	9200	2595
25°	7574	3438
35°	4535	2820
45°	1853	1502
55°	1162	1057
65°	730	729
75°	361	380
85°	103	112
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12164.1
1°	12199.9
2°	12183.9
3°	12112.5
4°	11989.6
5°	11811.0
6°	11588.9
7°	11323.1
8°	11037.4
9°	10731.9
10°	10438.3
11°	10156.6
12°	9870.9
13°	9632.9
14°	9406.8
15°	9200.5
16°	9006.0
17°	8827.5
18°	8660.8
19°	8494.3
20°	8335.5
21°	8180.8
22°	8046.0
23°	7907.0
24°	7744.4
25°	7573.8
26°	7379.4
27°	7161.2
28°	6915.2
29°	6641.5
30°	6328.0
31°	5998.7
32°	5653.6
33°	5284.6
34°	4915.6
35°	4534.7
37.5°	3634.1
40°	2848.6
42.5°	2249.5
45°	1852.8
47.5°	1591.0
50°	1428.3
52.5°	1285.5
55°	1162.5
57.5°	1087.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	960.1
62.5°	837.1
65°	730.0
67.5°	634.8
70°	531.6
72.5°	444.3
75°	361.0
77.5°	261.8
80°	214.2
82.5°	154.7
85°	103.2
87.5°	47.6
90°	0.0

(END OF REPORT)