

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: P250768

Luminaire Tested: **LSR8B150D010 EC8B150940 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250768
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 EC8B150940 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14323.0 lumens
Efficiency: N/A
Efficacy: 90.4 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

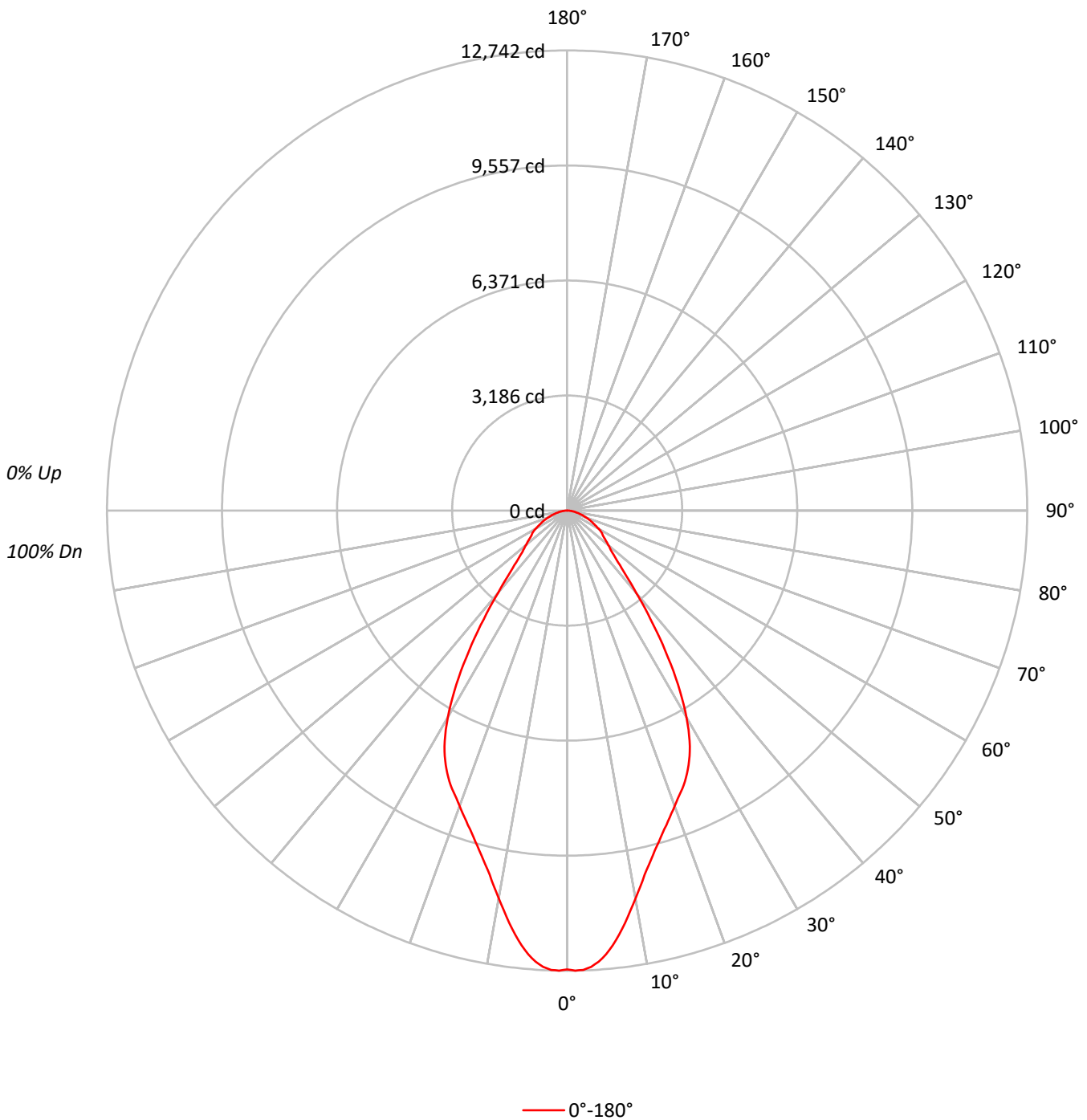
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	391782
5°	381862
10°	341382
15°	306784
20°	285700
25°	269155
30°	235343
35°	178298
40°	119768
45°	84392
50°	71566
55°	65277
60°	61845
65°	55636
70°	50056
75°	44929
80°	39742
85°	38140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1129.1	7.9
10°-20°	2710.1	18.9
20°-30°	3591.4	25.1
30°-40°	2945.0	20.6
40°-50°	1568.5	11.0
50°-60°	1104.0	7.7
60°-70°	761.2	5.3
70°-80°	396.5	2.8
80°-90°	117.3	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°	7430.6	51.9
0°-40°	10375.6	72.4
0°-60°	13048.0	91.1
0°-90°	14323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12705	
5°	12336	###
15°	9610	2710
25°	7911	3591
35°	4736	2945
45°	1935	1568
55°	1214	1104
65°	762	761
75°	377	396
85°	108	117
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12705.2
1°	12742.5
2°	12725.9
3°	12651.3
4°	12522.9
5°	12336.4
6°	12104.4
7°	11826.7
8°	11528.3
9°	11209.3
10°	10902.6
11°	10608.4
12°	10310.0
13°	10061.4
14°	9825.2
15°	9609.8
16°	9406.7
17°	9220.2
18°	9046.1
19°	8872.1
20°	8706.3
21°	8544.7
22°	8403.9
23°	8258.8
24°	8088.9
25°	7910.7
26°	7707.7
27°	7479.8
28°	7222.8
29°	6936.9
30°	6609.5
31°	6265.6
32°	5905.1
33°	5519.7
34°	5134.3
35°	4736.4
37.5°	3795.8
40°	2975.3
42.5°	2349.6
45°	1935.2
47.5°	1661.8
50°	1491.8
52.5°	1342.7
55°	1214.2
57.5°	1135.4



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CANDELA DISTRIBUTION (continued):

	0°
60°	1002.8
62.5°	874.3
65°	762.5
67.5°	663.0
70°	555.2
72.5°	464.1
75°	377.1
77.5°	273.5
80°	223.8
82.5°	161.6
85°	107.8
87.5°	49.7
90°	0.0

(END OF REPORT)