

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: P250089

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150935 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12468.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

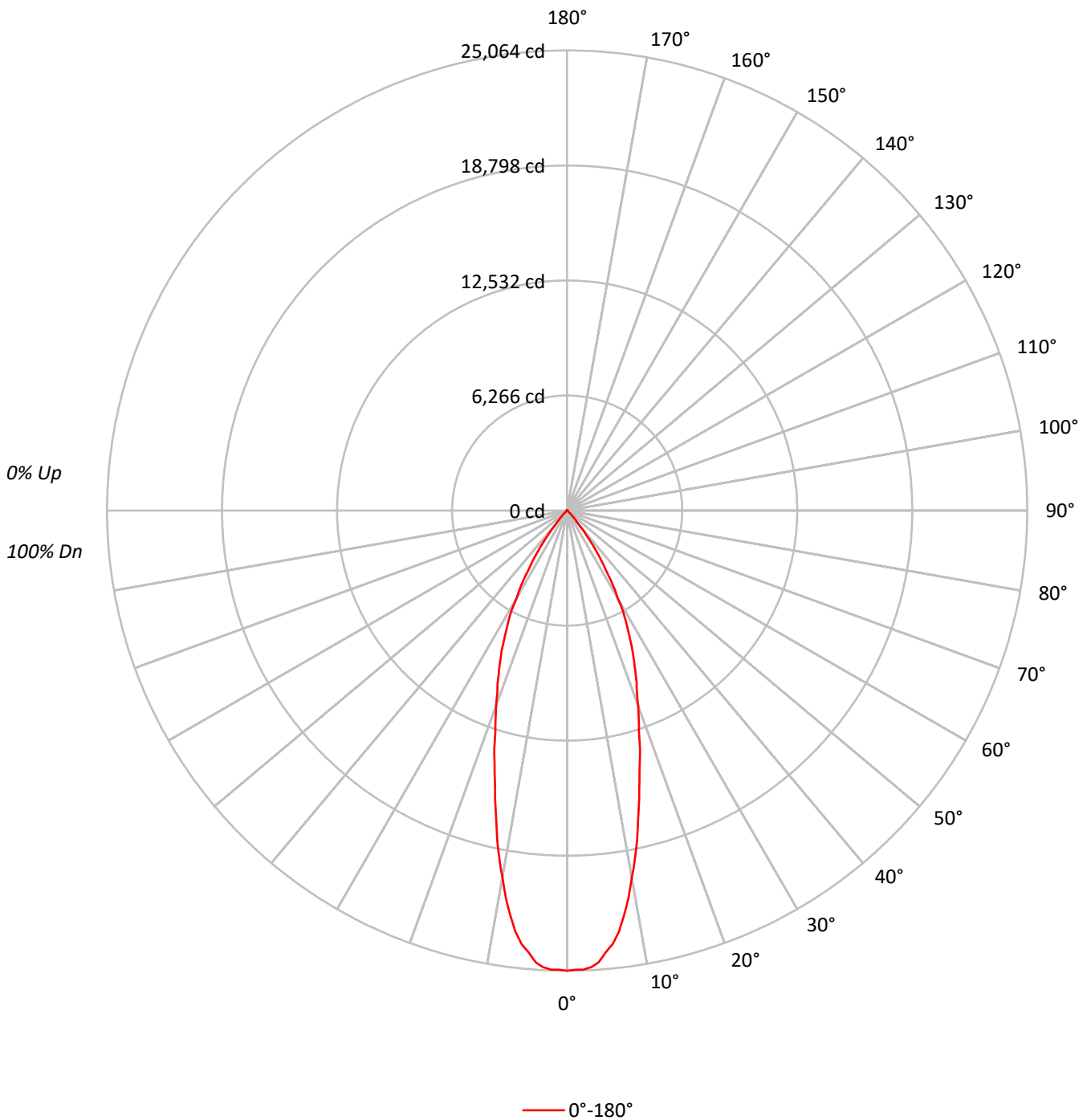
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	772872
5°	747409
10°	635624
15°	485135
20°	370764
25°	287313
30°	195962
35°	115131
40°	35202
45°	13850
50°	211
55°	237
60°	271
65°	635
70°	1181
75°	1037
80°	781
85°	4635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2189.0	17.6
10°-20°	4241.7	34.0
20°-30°	3818.9	30.6
30°-40°	1889.4	15.2
40°-50°	287.4	2.3
50°-60°	11.8	0.1
60°-70°	15.2	0.1
70°-80°	5.7	0.0
80°-90°	8.9	0.1
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°	10249.5	82.2
0°-40°	12138.9	97.4
0°-60°	12438.2	99.8
0°-90°	12468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12468.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25064	
5°	24146	###
15°	15196	4242
25°	8444	3819
35°	3058	1889
45°	318	287
55°	4	12
65°	9	15
75°	9	6
85°	13	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25063.7
1°	25011.5
2°	25024.4
3°	24898.3
4°	24667.8
5°	24145.7
6°	23745.5
7°	23110.3
8°	22257.6
9°	21370.0
10°	20299.7
11°	19342.7
12°	18316.0
13°	17180.4
14°	16201.6
15°	15196.5
16°	14339.4
17°	13582.5
18°	12651.5
19°	11968.3
20°	11298.5
21°	10602.3
22°	10093.3
23°	9501.6
24°	8957.8
25°	8444.4
26°	7839.6
27°	7296.0
28°	6808.6
29°	6273.5
30°	5503.5
31°	5068.5
32°	4520.2
33°	3919.8
34°	3463.0
35°	3058.4
37.5°	1935.9
40°	874.5
42.5°	596.0
45°	317.6
47.5°	178.3
50°	4.4
52.5°	17.5
55°	4.4
57.5°	26.2



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CANDELA DISTRIBUTION (continued):

	0°
60°	4.4
62.5°	21.8
65°	8.7
67.5°	21.8
70°	13.1
72.5°	4.4
75°	8.7
77.5°	0.0
80°	4.4
82.5°	17.5
85°	13.1
87.5°	0.0
90°	0.0

(END OF REPORT)