

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: P250104

Luminaire Tested: **LD8B175D010 ER8B175950 8LBNOWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250104
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: LD8B175D010 ER8B175950 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15222.0 lumens
Efficiency: N/A
Efficacy: 85.9 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

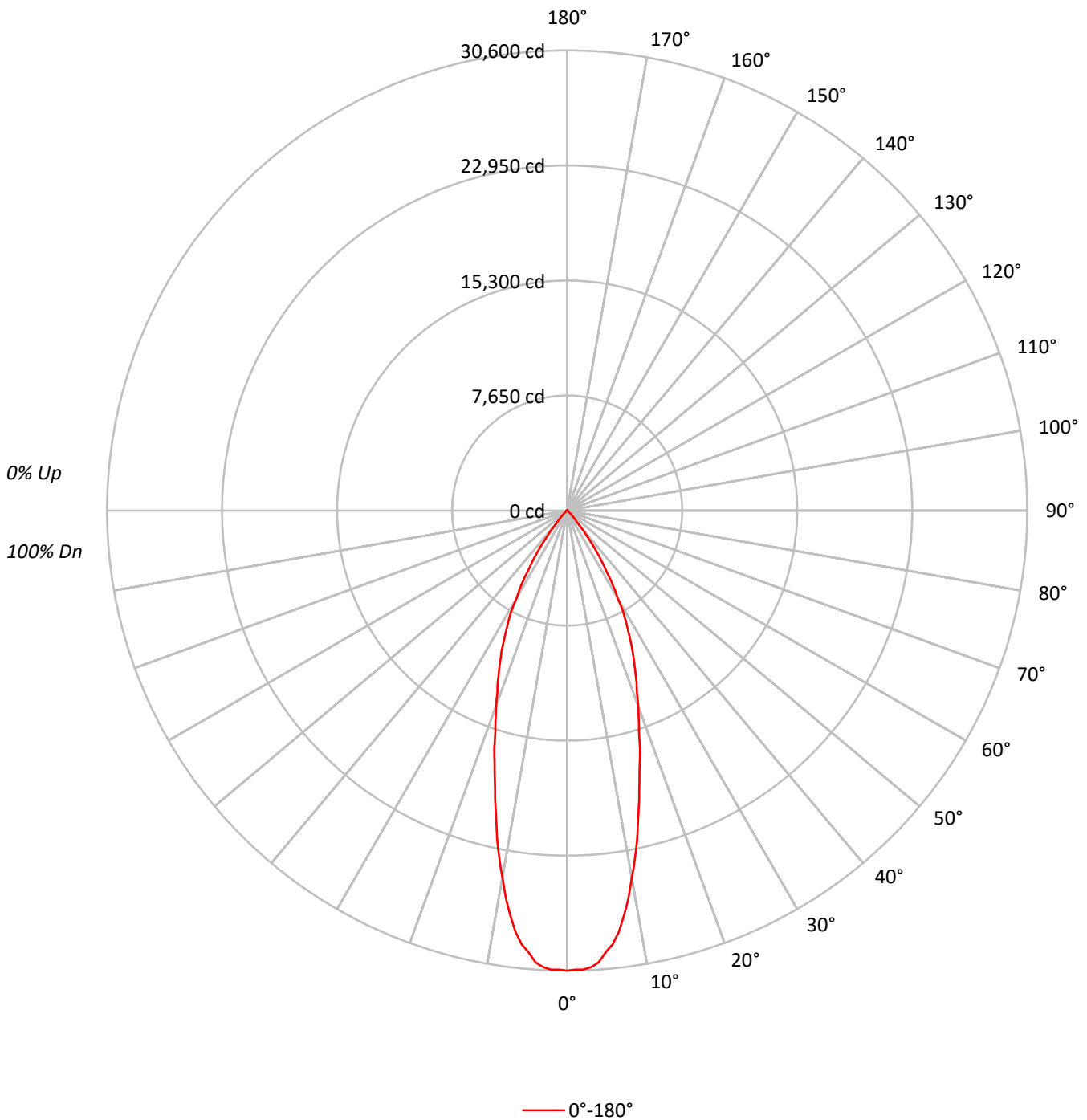
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	943588
5°	912502
10°	776024
15°	592294
20°	452661
25°	350778
30°	239245
35°	140560
40°	42979
45°	16907
50°	254
55°	285
60°	327
65°	781
70°	1443
75°	1275
80°	941
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2672.5	17.6
10°-20°	5178.6	34.0
20°-30°	4662.4	30.6
30°-40°	2306.8	15.2
40°-50°	350.9	2.3
50°-60°	14.4	0.1
60°-70°	18.5	0.1
70°-80°	7.0	0.0
80°-90°	10.9	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°	12513.5	82.2
0°-40°	14820.2	97.4
0°-60°	15185.6	99.8
0°-90°	15222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15222.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30600	
5°	29479	###
15°	18553	5179
25°	10310	4662
35°	3734	2307
45°	388	351
55°	5	14
65°	11	19
75°	11	7
85°	16	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	30599.9
1°	30536.2
2°	30552.0
3°	30398.0
4°	30116.6
5°	29479.2
6°	28990.5
7°	28215.1
8°	27174.0
9°	26090.3
10°	24783.6
11°	23615.2
12°	22361.7
13°	20975.3
14°	19780.2
15°	18553.2
16°	17506.8
17°	16582.7
18°	15446.0
19°	14612.0
20°	13794.2
21°	12944.2
22°	12322.8
23°	11600.4
24°	10936.4
25°	10309.7
26°	9571.3
27°	8907.5
28°	8312.5
29°	7659.2
30°	6719.1
31°	6188.0
32°	5518.7
33°	4785.7
34°	4228.0
35°	3733.9
37.5°	2363.5
40°	1067.7
42.5°	727.7
45°	387.7
47.5°	217.7
50°	5.3
52.5°	21.3
55°	5.3
57.5°	32.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	5.3
62.5°	26.6
65°	10.7
67.5°	26.6
70°	16.0
72.5°	5.3
75°	10.7
77.5°	0.0
80°	5.3
82.5°	21.3
85°	16.0
87.5°	0.0
90°	0.0

(END OF REPORT)