

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: P250510

Luminaire Tested: **LD8B175D010 ER8B175935 8LBM0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14005)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175935 8LBM0GPH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13549.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

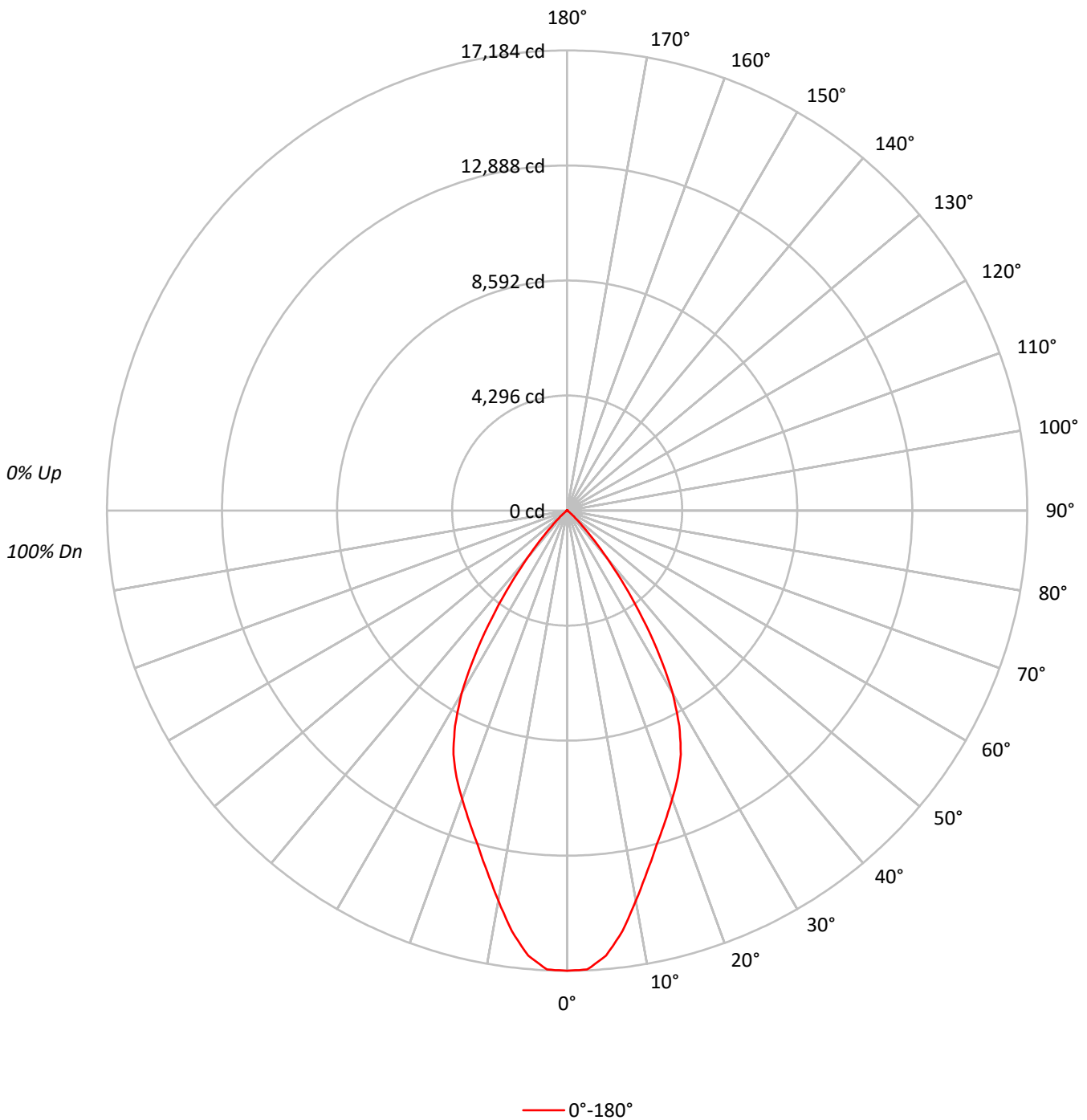
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529882
5°	516485
10°	463001
15°	412370
20°	376182
25°	341786
30°	280260
35°	184441
40°	92008
45°	34246
50°	10401
55°	1258
60°	728
65°	0
70°	532
75°	2097
80°	0
85°	2087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1529.8	11.3
10°-20°	3637.4	26.8
20°-30°	4531.6	33.4
30°-40°	3056.6	22.6
40°-50°	722.8	5.3
50°-60°	52.9	0.4
60°-70°	9.4	0.1
70°-80°	7.0	0.1
80°-90°	1.6	0.0
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°	9698.8	71.6
0°-40°	12755.4	94.1
0°-60°	13531.0	99.9
0°-90°	13549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13549.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17184	
5°	16686	###
15°	12917	3637
25°	10045	4532
35°	4900	3057
45°	785	723
55°	23	53
65°	0	9
75°	18	7
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17183.7
2.5°	17154.4
5°	16685.5
7.5°	15835.7
10°	14786.7
12.5°	13796.2
15°	12917.2
17.5°	12161.0
20°	11463.6
22.5°	10795.5
25°	10045.4
27.5°	9066.6
30°	7871.0
32.5°	6423.4
35°	4899.6
37.5°	3504.8
40°	2285.7
42.5°	1365.6
45°	785.3
47.5°	439.5
50°	216.8
52.5°	99.7
55°	23.4
57.5°	5.9
60°	11.8
62.5°	17.6
65°	0.0
67.5°	11.8
70°	5.9
72.5°	5.9
75°	17.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	5.9
87.5°	0.0
90°	0.0

(END OF REPORT)