

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: P249880

Luminaire Tested: **LD8B175D010 ER8B175830 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175830 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17117.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

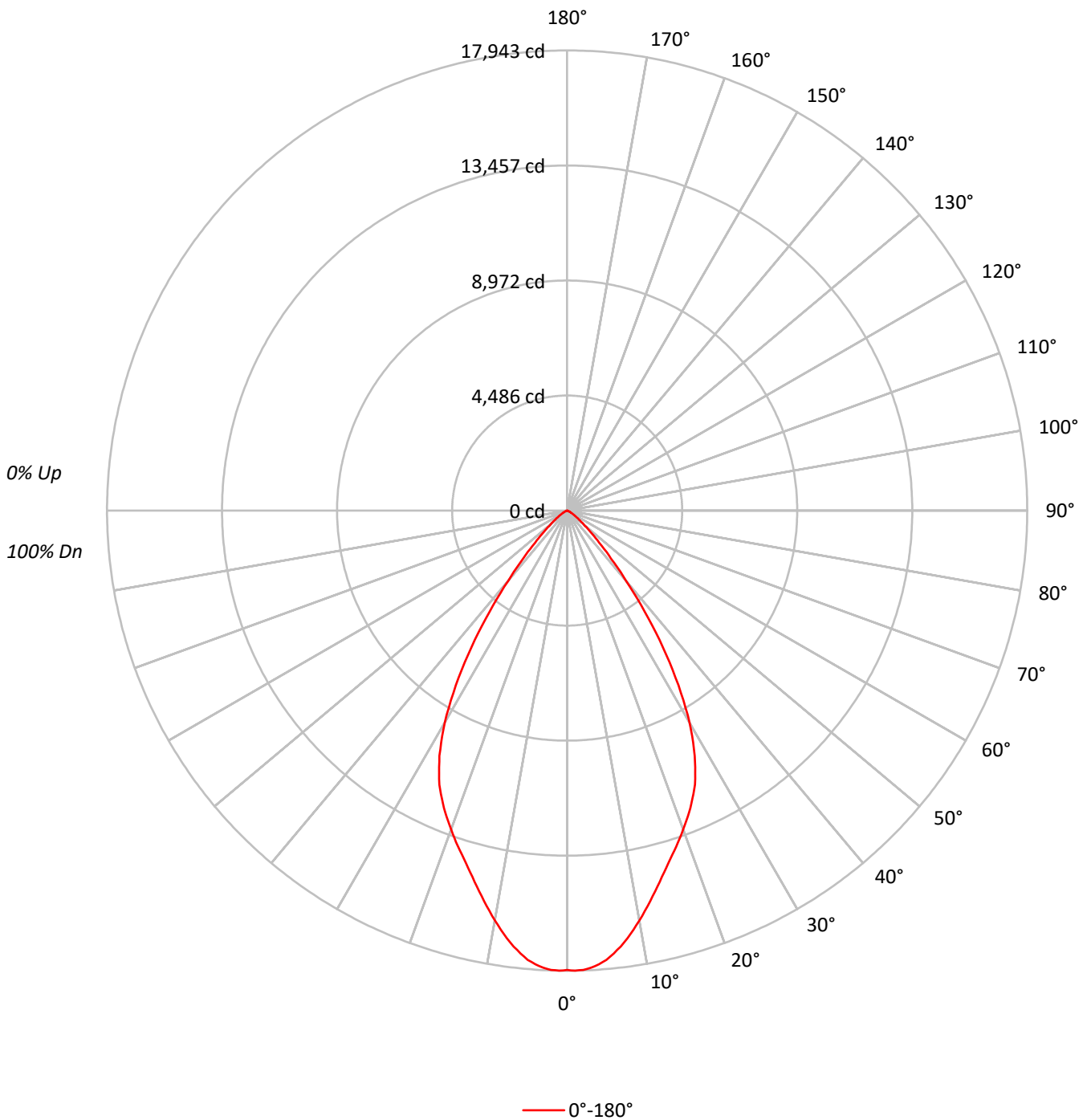
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	552463
5°	544328
10°	507997
15°	466287
20°	434281
25°	401236
30°	340254
35°	244774
40°	144194
45°	77057
50°	40206
55°	22671
60°	12513
65°	7399
70°	3372
75°	1906
80°	941
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1633.3	9.5
10°-20°	4109.5	24.0
20°-30°	5335.0	31.2
30°-40°	4026.7	23.5
40°-50°	1473.4	8.6
50°-60°	411.9	2.4
60°-70°	108.3	0.6
70°-80°	18.2	0.1
80°-90°	0.7	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°	11077.8	64.7
0°-40°	15104.5	88.2
0°-60°	16989.8	99.3
0°-90°	17117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17916	
5°	17585	###
15°	14606	4109
25°	11793	5335
35°	6502	4027
45°	1767	1473
55°	422	412
65°	101	108
75°	16	18
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17916.0
1°	17942.7
2°	17921.3
3°	17851.9
4°	17734.5
5°	17585.0
6°	17366.1
7°	17125.9
8°	16848.3
9°	16544.0
10°	16223.7
11°	15903.4
12°	15572.4
13°	15236.1
14°	14915.8
15°	14606.1
16°	14312.5
17°	14029.6
18°	13773.3
19°	13506.4
20°	13234.1
22.5°	12556.2
25°	11792.7
27.5°	10783.8
30°	9555.9
32.5°	8077.2
35°	6502.3
37.5°	4964.8
40°	3582.1
42.5°	2535.8
45°	1767.0
47.5°	1243.9
50°	838.1
52.5°	613.9
55°	421.7
57.5°	304.3
60°	202.9
62.5°	149.5
65°	101.4
67.5°	69.4
70°	37.4
72.5°	26.7
75°	16.0
77.5°	5.3
80°	5.3



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)