

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: P248007

Luminaire Tested: **LD8B175D010 ER8B175940 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175940 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15936.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

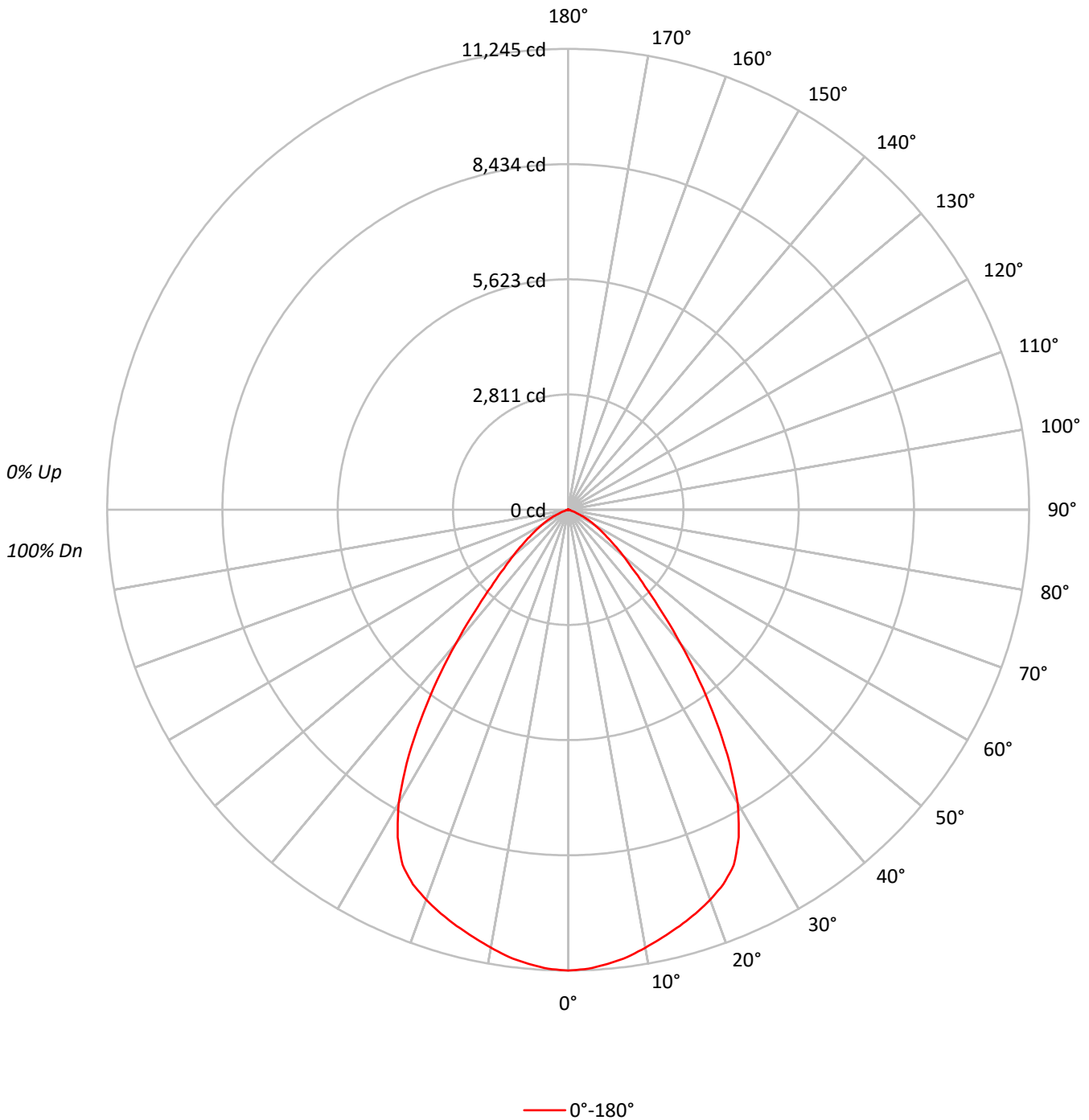
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	346757
5°	344411
10°	339826
15°	335650
20°	332350
25°	325396
30°	294375
35°	236793
40°	171277
45°	115734
50°	84235
55°	61632
60°	45712
65°	30448
70°	13506
75°	6112
80°	4280
85°	4989



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1053.7	6.6
10°-20°	2967.5	18.6
20°-30°	4333.6	27.2
30°-40°	3897.4	24.5
40°-50°	2131.5	13.4
50°-60°	1056.7	6.6
60°-70°	417.3	2.6
70°-80°	67.2	0.4
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°	8354.9	52.4
0°-40°	12252.3	76.9
0°-60°	15440.5	96.9
0°-90°	15936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15936.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11245	
5°	11126	###
15°	10514	2968
25°	9564	4334
35°	6290	3897
45°	2654	2131
55°	1146	1057
65°	417	417
75°	51	67
85°	14	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11245.1
2.5°	11214.0
5°	11126.5
7.5°	11012.8
10°	10852.9
12.5°	10683.0
15°	10514.0
17.5°	10333.0
20°	10127.9
22.5°	9893.5
25°	9563.7
27.5°	9008.6
30°	8267.4
32.5°	7333.2
35°	6290.3
37.5°	5249.5
40°	4254.9
42.5°	3358.9
45°	2653.9
47.5°	2126.9
50°	1755.9
52.5°	1429.0
55°	1146.4
57.5°	926.2
60°	741.2
62.5°	586.3
65°	417.3
67.5°	248.4
70°	149.8
72.5°	84.5
75°	51.3
77.5°	33.2
80°	24.1
82.5°	8.0
85°	14.1
87.5°	6.0
90°	0.0

(END OF REPORT)