

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: P247989

Luminaire Tested: **LD8B175D010 ER8B175835 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247989
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 ER8B175835 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17892.0 lumens
Efficiency: N/A
Efficacy: 101.0 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

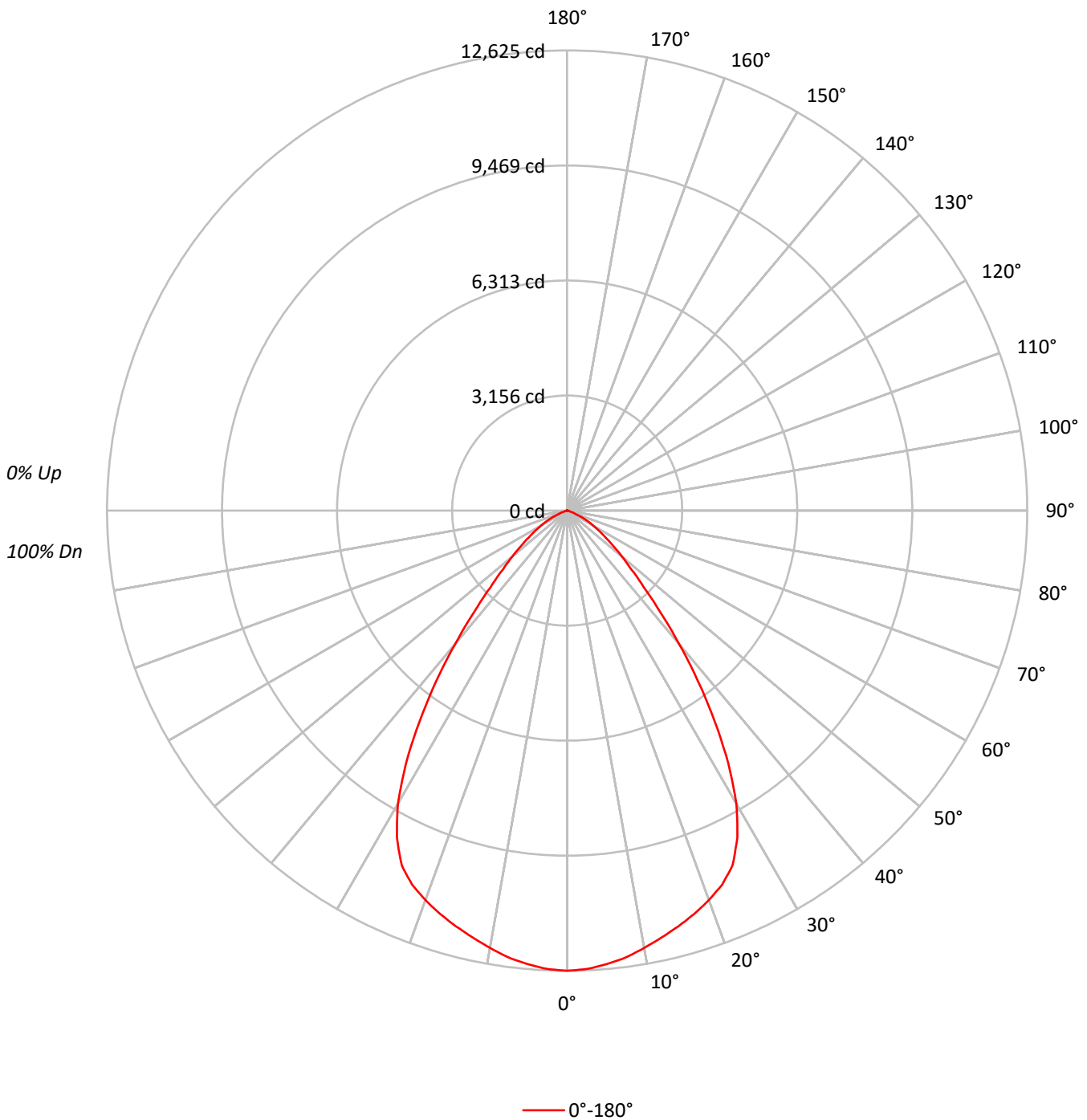
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	389321
5°	386682
10°	381537
15°	376848
20°	373143
25°	365337
30°	330509
35°	265858
40°	192297
45°	129938
50°	94574
55°	69202
60°	51318
65°	34191
70°	15165
75°	6863
80°	4812
85°	5590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1183.1	6.6
10°-20°	3331.8	18.6
20°-30°	4865.5	27.2
30°-40°	4375.8	24.5
40°-50°	2393.1	13.4
50°-60°	1186.4	6.6
60°-70°	468.5	2.6
70°-80°	75.5	0.4
80°-90°	12.3	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°	9380.3	52.4
0°-40°	13756.2	76.9
0°-60°	17335.7	96.9
0°-90°	17892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12625	
5°	12492	###
15°	11804	3332
25°	10738	4866
35°	7062	4376
45°	2980	2393
55°	1287	1186
65°	469	469
75°	58	75
85°	16	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12625.4
2.5°	12590.4
5°	12492.1
7.5°	12364.6
10°	12185.0
12.5°	11994.2
15°	11804.5
17.5°	11601.3
20°	11371.0
22.5°	11107.9
25°	10737.6
27.5°	10114.3
30°	9282.2
32.5°	8233.3
35°	7062.4
37.5°	5893.8
40°	4777.1
42.5°	3771.1
45°	2979.6
47.5°	2388.0
50°	1971.4
52.5°	1604.4
55°	1287.2
57.5°	1039.9
60°	832.1
62.5°	658.3
65°	468.6
67.5°	278.9
70°	168.2
72.5°	94.8
75°	57.6
77.5°	37.3
80°	27.1
82.5°	9.0
85°	15.8
87.5°	6.8
90°	0.0

(END OF REPORT)