

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: P249623

Luminaire Tested: **LD8B175D010 ER8B175827 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175827 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17111.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

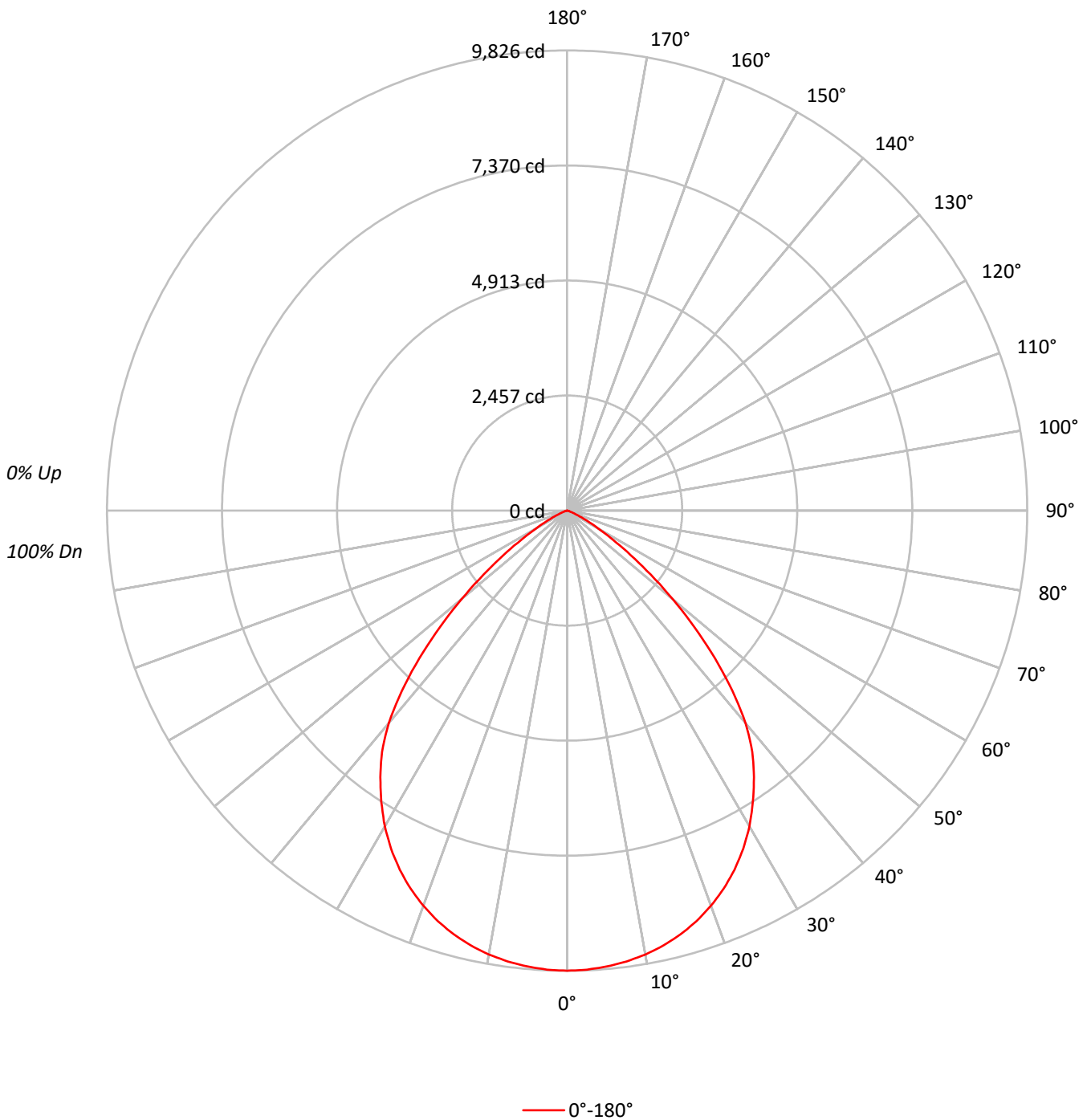
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	302991
5°	302477
10°	301397
15°	299004
20°	294665
25°	287861
30°	277305
35°	261834
40°	238670
45°	194732
50°	140896
55°	88943
60°	47747
65°	21641
70°	7357
75°	3658
80°	2451
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.2	5.4
10°-20°	2638.9	15.4
20°-30°	3886.2	22.7
30°-40°	4326.9	25.3
40°-50°	3417.3	20.0
50°-60°	1532.1	9.0
60°-70°	338.2	2.0
70°-80°	38.1	0.2
80°-90°	5.1	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°	7453.3	43.6
0°-40°	11780.2	68.8
0°-60°	16729.6	97.8
0°-90°	17111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9826	
5°	9772	928
15°	9366	2639
25°	8460	3886
35°	6956	4327
45°	4465	3417
55°	1654	1532
65°	297	338
75°	31	38
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9825.8
2.5°	9810.9
5°	9771.8
7.5°	9711.4
10°	9625.6
12.5°	9510.1
15°	9366.1
17.5°	9190.3
20°	8979.5
22.5°	8737.0
25°	8460.5
27.5°	8141.7
30°	7788.0
32.5°	7382.3
35°	6955.5
37.5°	6496.8
40°	5929.1
42.5°	5226.9
45°	4465.4
47.5°	3690.1
50°	2937.0
52.5°	2248.6
55°	1654.4
57.5°	1155.5
60°	774.2
62.5°	490.4
65°	296.6
67.5°	165.2
70°	81.6
72.5°	44.5
75°	30.7
77.5°	22.2
80°	13.8
82.5°	7.4
85°	3.2
87.5°	1.1
90°	0.0

(END OF REPORT)