

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: P249647

Luminaire Tested: **LD8B175D010 ER8B175940 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249647
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 ER8B175940 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16245.0 lumens
Efficiency: N/A
Efficacy: 91.7 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

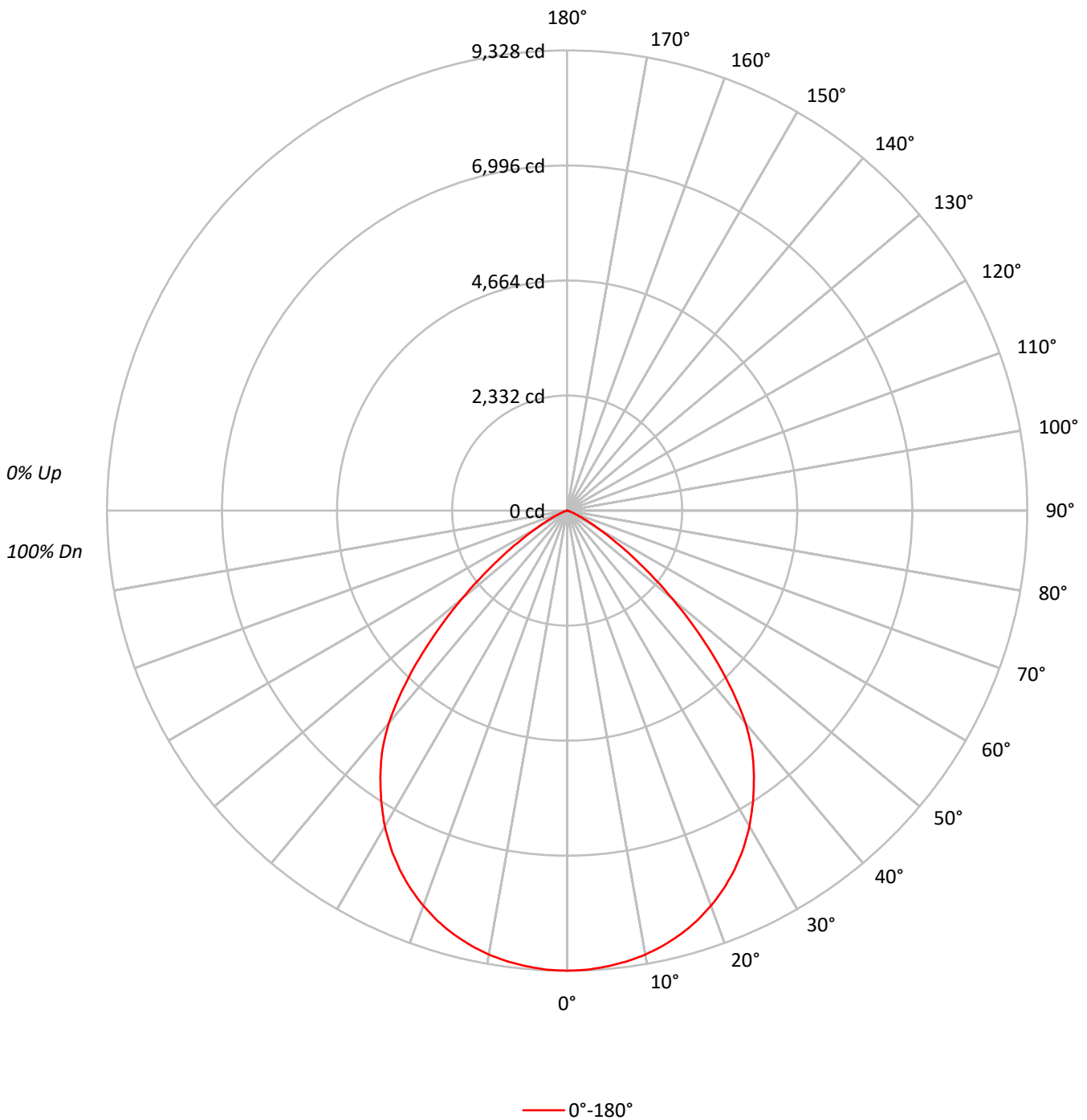
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	287657
5°	287167
10°	286142
15°	283872
20°	279751
25°	273292
30°	263269
35°	248580
40°	226594
45°	184877
50°	133767
55°	84443
60°	45336
65°	20547
70°	6978
75°	3479
80°	2326
85°	1061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.2	5.4
10°-20°	2505.4	15.4
20°-30°	3689.5	22.7
30°-40°	4107.9	25.3
40°-50°	3244.4	20.0
50°-60°	1454.6	9.0
60°-70°	321.1	2.0
70°-80°	36.2	0.2
80°-90°	4.8	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°	7076.1	43.6
0°-40°	11184.0	68.8
0°-60°	15883.0	97.8
0°-90°	16245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16245.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9328	
5°	9277	881
15°	8892	2505
25°	8032	3689
35°	6603	4108
45°	4239	3244
55°	1571	1455
65°	282	321
75°	29	36
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9328.5
2.5°	9314.4
5°	9277.2
7.5°	9219.9
10°	9138.4
12.5°	9028.8
15°	8892.1
17.5°	8725.1
20°	8525.0
22.5°	8294.8
25°	8032.3
27.5°	7729.7
30°	7393.8
32.5°	7008.7
35°	6603.4
37.5°	6168.0
40°	5629.1
42.5°	4962.4
45°	4239.4
47.5°	3503.3
50°	2788.4
52.5°	2134.8
55°	1570.7
57.5°	1097.1
60°	735.1
62.5°	465.6
65°	281.6
67.5°	156.9
70°	77.4
72.5°	42.2
75°	29.2
77.5°	21.1
80°	13.1
82.5°	7.0
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)