

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: P249629

Luminaire Tested: **LD8B175D010 ER8B175835 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249629
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 ER8B175835 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18239.0 lumens
Efficiency: N/A
Efficacy: 102.9 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

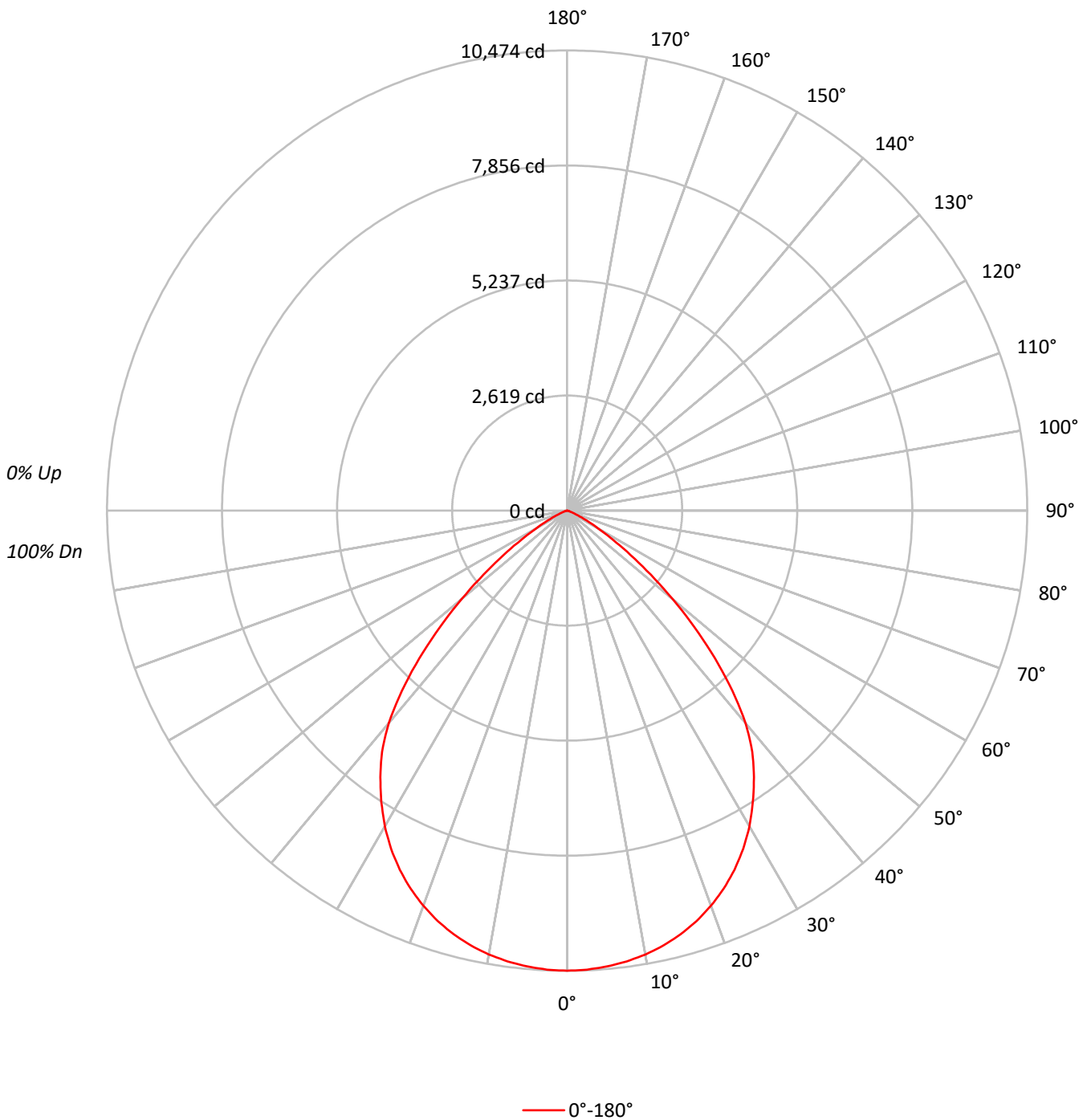
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	322964
5°	322415
10°	321264
15°	318714
20°	314092
25°	306840
30°	295586
35°	279094
40°	254405
45°	207571
50°	150184
55°	94808
60°	50898
65°	23064
70°	7835
75°	3896
80°	2610
85°	1203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.4	5.4
10°-20°	2812.9	15.4
20°-30°	4142.4	22.7
30°-40°	4612.1	25.3
40°-50°	3642.6	20.0
50°-60°	1633.1	9.0
60°-70°	360.5	2.0
70°-80°	40.6	0.2
80°-90°	5.4	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°	7944.6	43.6
0°-40°	12556.8	68.8
0°-60°	17832.5	97.8
0°-90°	18239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18239.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10474	
5°	10416	989
15°	9984	2813
25°	9018	4142
35°	7414	4612
45°	4760	3643
55°	1764	1633
65°	316	360
75°	33	41
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10473.5
2.5°	10457.7
5°	10415.9
7.5°	10351.6
10°	10260.1
12.5°	10137.1
15°	9983.5
17.5°	9796.1
20°	9571.5
22.5°	9312.9
25°	9018.3
27.5°	8678.4
30°	8301.4
32.5°	7869.0
35°	7414.0
37.5°	6925.1
40°	6320.0
42.5°	5571.5
45°	4759.8
47.5°	3933.4
50°	3130.6
52.5°	2396.8
55°	1763.5
57.5°	1231.7
60°	825.3
62.5°	522.7
65°	316.1
67.5°	176.1
70°	86.9
72.5°	47.4
75°	32.7
77.5°	23.7
80°	14.7
82.5°	7.9
85°	3.4
87.5°	1.1
90°	0.0

(END OF REPORT)