

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: P249626

Luminaire Tested: **LD8B175D010 ER8B175830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249626
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 ER8B175830 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17540.0 lumens
Efficiency: N/A
Efficacy: 99.0 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

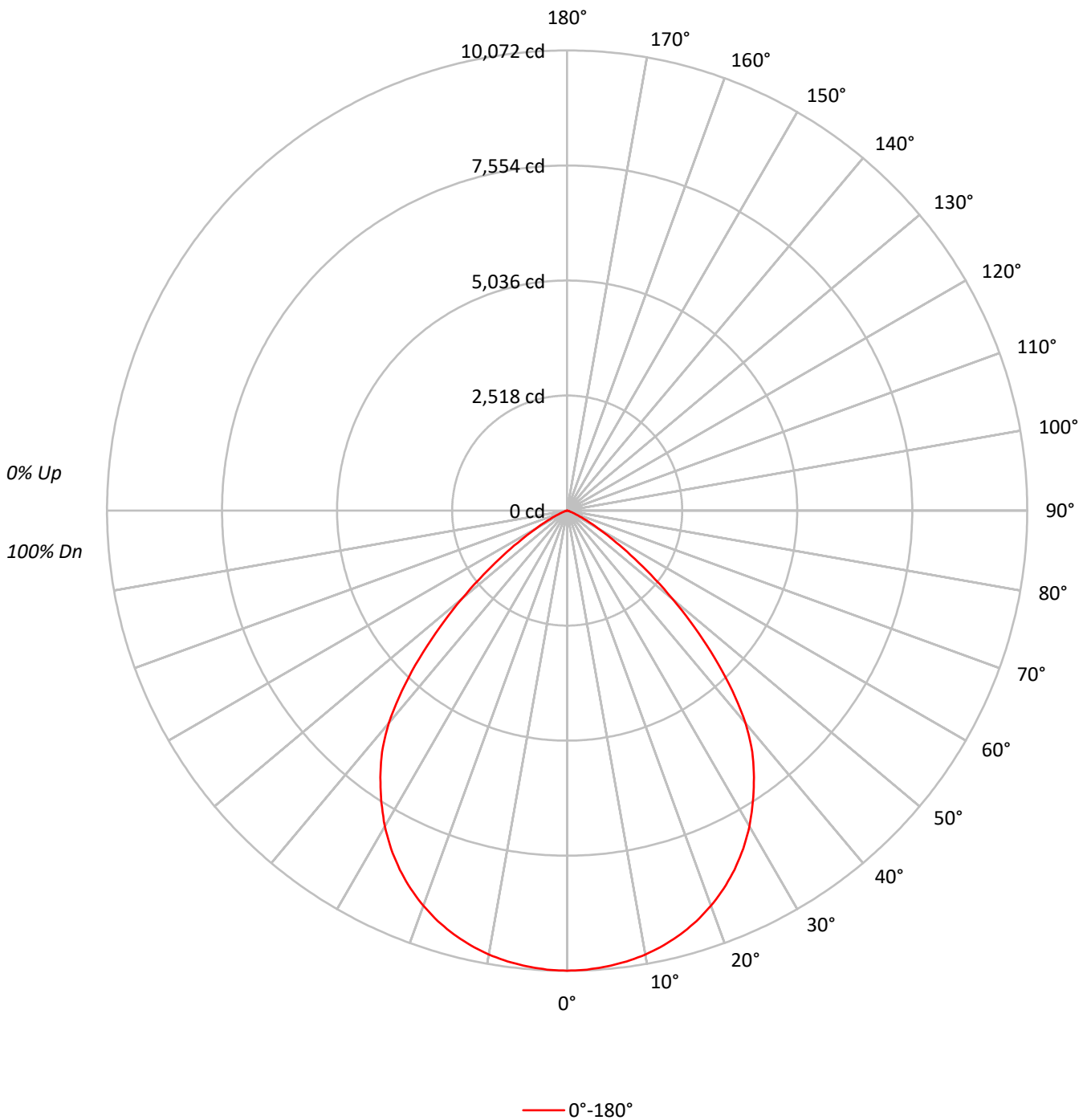
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	310586
5°	310058
10°	308953
15°	306500
20°	302052
25°	295077
30°	284255
35°	268396
40°	244655
45°	199612
50°	144432
55°	91174
60°	48950
65°	22181
70°	7537
75°	3753
80°	2504
85°	1168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.5	5.4
10°-20°	2705.1	15.4
20°-30°	3983.6	22.7
30°-40°	4435.4	25.3
40°-50°	3503.0	20.0
50°-60°	1570.6	9.0
60°-70°	346.7	2.0
70°-80°	39.1	0.2
80°-90°	5.2	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°	7640.1	43.6
0°-40°	12075.5	68.8
0°-60°	17149.1	97.8
0°-90°	17540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10072	
5°	10017	951
15°	9601	2705
25°	8673	3984
35°	7130	4435
45°	4577	3503
55°	1696	1571
65°	304	347
75°	32	39
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10072.1
2.5°	10056.9
5°	10016.7
7.5°	9954.9
10°	9866.9
12.5°	9748.6
15°	9600.9
17.5°	9420.7
20°	9204.6
22.5°	8956.0
25°	8672.6
27.5°	8345.8
30°	7983.2
32.5°	7567.4
35°	7129.8
37.5°	6659.7
40°	6077.8
42.5°	5358.0
45°	4577.3
47.5°	3782.6
50°	3010.7
52.5°	2305.0
55°	1695.9
57.5°	1184.5
60°	793.7
62.5°	502.7
65°	304.0
67.5°	169.4
70°	83.6
72.5°	45.6
75°	31.5
77.5°	22.8
80°	14.1
82.5°	7.6
85°	3.3
87.5°	1.1
90°	0.0

(END OF REPORT)