

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: P249632

Luminaire Tested: **LD8B175D010 ER8B175840 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249632
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 ER8B175840 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18120.1 lumens
Efficiency: N/A
Efficacy: 102.3 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

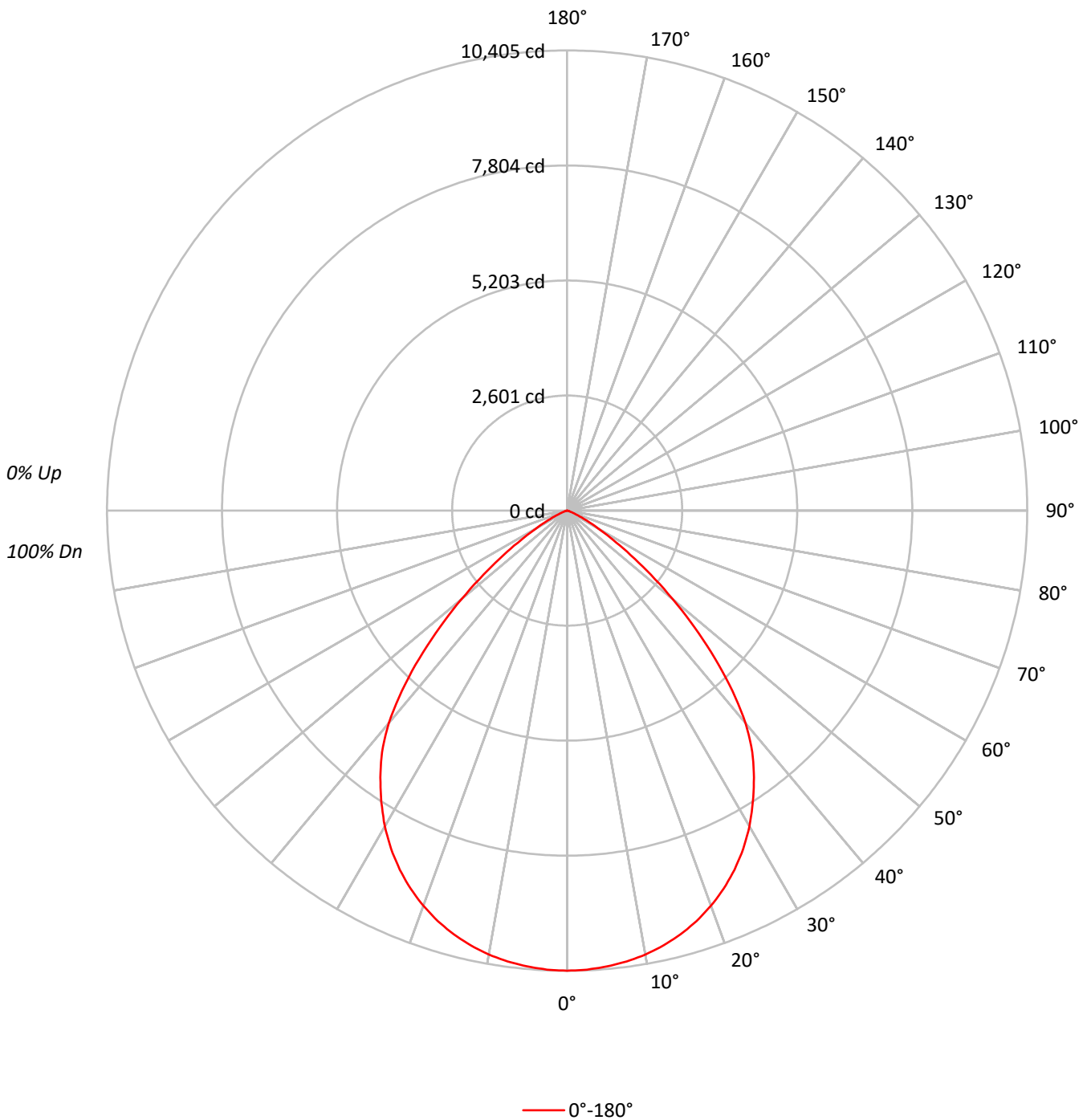
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	320858
5°	320313
10°	319170
15°	316636
20°	312041
25°	304836
30°	293656
35°	277272
40°	252746
45°	206215
50°	149205
55°	94190
60°	50565
65°	22918
70°	7790
75°	3872
80°	2593
85°	1203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.9	5.4
10°-20°	2794.5	15.4
20°-30°	4115.3	22.7
30°-40°	4582.1	25.3
40°-50°	3618.8	20.0
50°-60°	1622.5	9.0
60°-70°	358.1	2.0
70°-80°	40.4	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°	7892.8	43.6
0°-40°	12474.8	68.8
0°-60°	17716.2	97.8
0°-90°	18120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18120.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10405	
5°	10348	983
15°	9918	2795
25°	8959	4115
35°	7366	4582
45°	4729	3619
55°	1752	1622
65°	314	358
75°	32	40
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10405.2
2.5°	10389.5
5°	10348.0
7.5°	10284.0
10°	10193.2
12.5°	10070.9
15°	9918.4
17.5°	9732.2
20°	9509.0
22.5°	9252.2
25°	8959.4
27.5°	8621.8
30°	8247.2
32.5°	7817.6
35°	7365.6
37.5°	6880.0
40°	6278.8
42.5°	5535.1
45°	4728.7
47.5°	3907.7
50°	3110.2
52.5°	2381.2
55°	1752.0
57.5°	1223.7
60°	819.9
62.5°	519.3
65°	314.1
67.5°	175.0
70°	86.4
72.5°	47.1
75°	32.5
77.5°	23.6
80°	14.6
82.5°	7.9
85°	3.4
87.5°	1.1
90°	0.0

(END OF REPORT)