

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: P249653

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249653
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 ER8B1759727 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12700.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

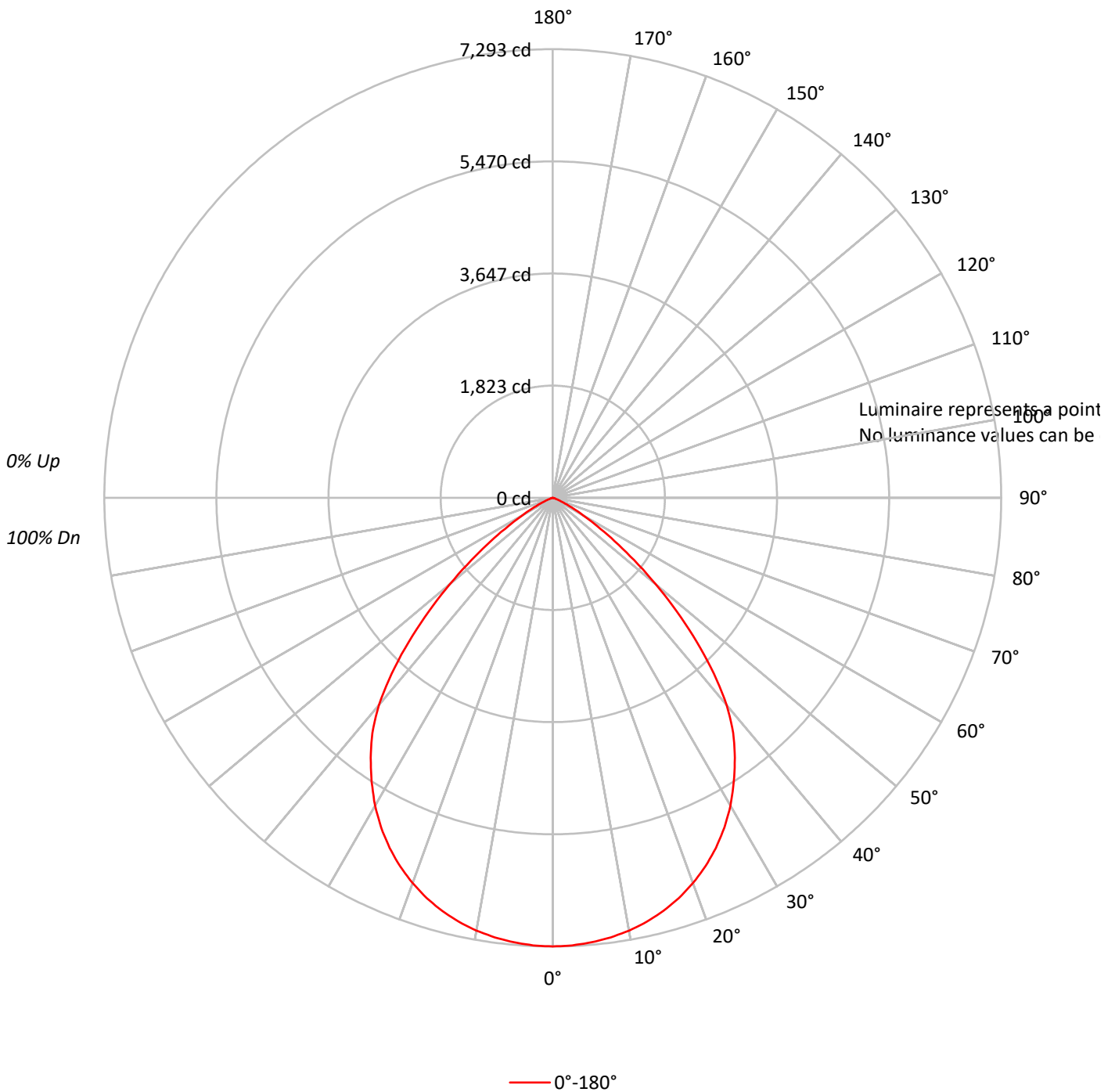
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.9	5.4
10°-20°	1958.6	15.4
20°-30°	2884.4	22.7
30°-40°	3211.5	25.3
40°-50°	2536.4	20.0
50°-60°	1137.2	9.0
60°-70°	251.0	2.0
70°-80°	28.3	0.2
80°-90°	3.8	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°	5531.9	43.6
0°-40°	8743.4	68.8
0°-60°	12416.9	97.8
0°-90°	12700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7293	
5°	7253	689
15°	6952	1959
25°	6280	2884
35°	5162	3211
45°	3314	2536
55°	1228	1137
65°	220	251
75°	23	28
85°	2	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7292.8
2.5°	7281.8
5°	7252.7
7.5°	7207.9
10°	7144.2
12.5°	7058.5
15°	6951.6
17.5°	6821.1
20°	6664.7
22.5°	6484.7
25°	6279.5
27.5°	6042.9
30°	5780.3
32.5°	5479.2
35°	5162.4
37.5°	4822.0
40°	4400.7
42.5°	3879.5
45°	3314.3
47.5°	2738.8
50°	2179.9
52.5°	1668.9
55°	1227.9
57.5°	857.7
60°	574.7
62.5°	364.0
65°	220.1
67.5°	122.6
70°	60.5
72.5°	33.0
75°	22.8
77.5°	16.5
80°	10.2
82.5°	5.5
85°	2.4
87.5°	0.8
90°	0.0

(END OF REPORT)