

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: P251287

Luminaire Tested: **LD8B70D010 ER8B70830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70830 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: 7170.9 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

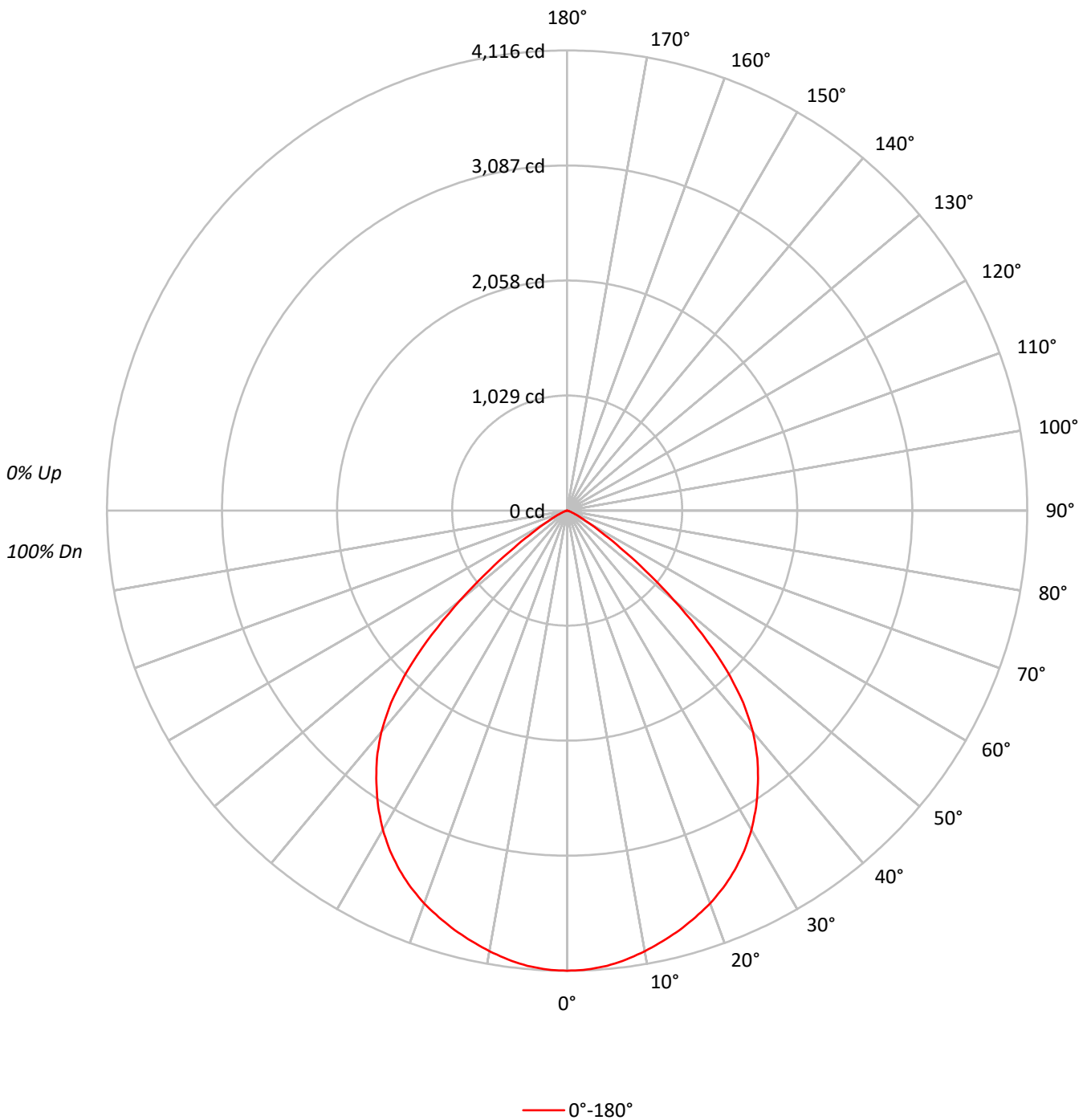
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126925
5°	126543
10°	125295
15°	124009
20°	122710
25°	120701
30°	117399
35°	112048
40°	104181
45°	87964
50°	59721
55°	31198
60°	14000
65°	6830
70°	2741
75°	1668
80°	1243
85°	814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.4	5.4
10°-20°	1095.7	15.3
20°-30°	1631.0	22.7
30°-40°	1854.1	25.9
40°-50°	1516.1	21.1
50°-60°	565.1	7.9
60°-70°	103.3	1.4
70°-80°	16.0	0.2
80°-90°	2.2	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°	3114.1	43.4
0°-40°	4968.2	69.3
0°-60°	7049.4	98.3
0°-90°	7170.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7170.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4116	
5°	4088	387
15°	3884	1096
25°	3548	1631
35°	2976	1854
45°	2017	1516
55°	580	565
65°	94	103
75°	14	16
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4116.1
2.5°	4109.1
5°	4088.1
7.5°	4050.6
10°	4001.5
12.5°	3945.3
15°	3884.5
17.5°	3814.3
20°	3739.4
22.5°	3650.5
25°	3547.5
27.5°	3430.5
30°	3297.1
32.5°	3145.0
35°	2976.5
37.5°	2796.4
40°	2588.1
42.5°	2330.7
45°	2017.1
47.5°	1640.4
50°	1244.9
52.5°	877.5
55°	580.3
57.5°	365.0
60°	227.0
62.5°	145.1
65°	93.6
67.5°	53.8
70°	30.4
72.5°	18.7
75°	14.0
77.5°	9.4
80°	7.0
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)