

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: P251097

Luminaire Tested: **LD8B70D010 ER8B70940 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70940 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7208.0 lumens
Efficiency: N/A
Efficacy: 95.0 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

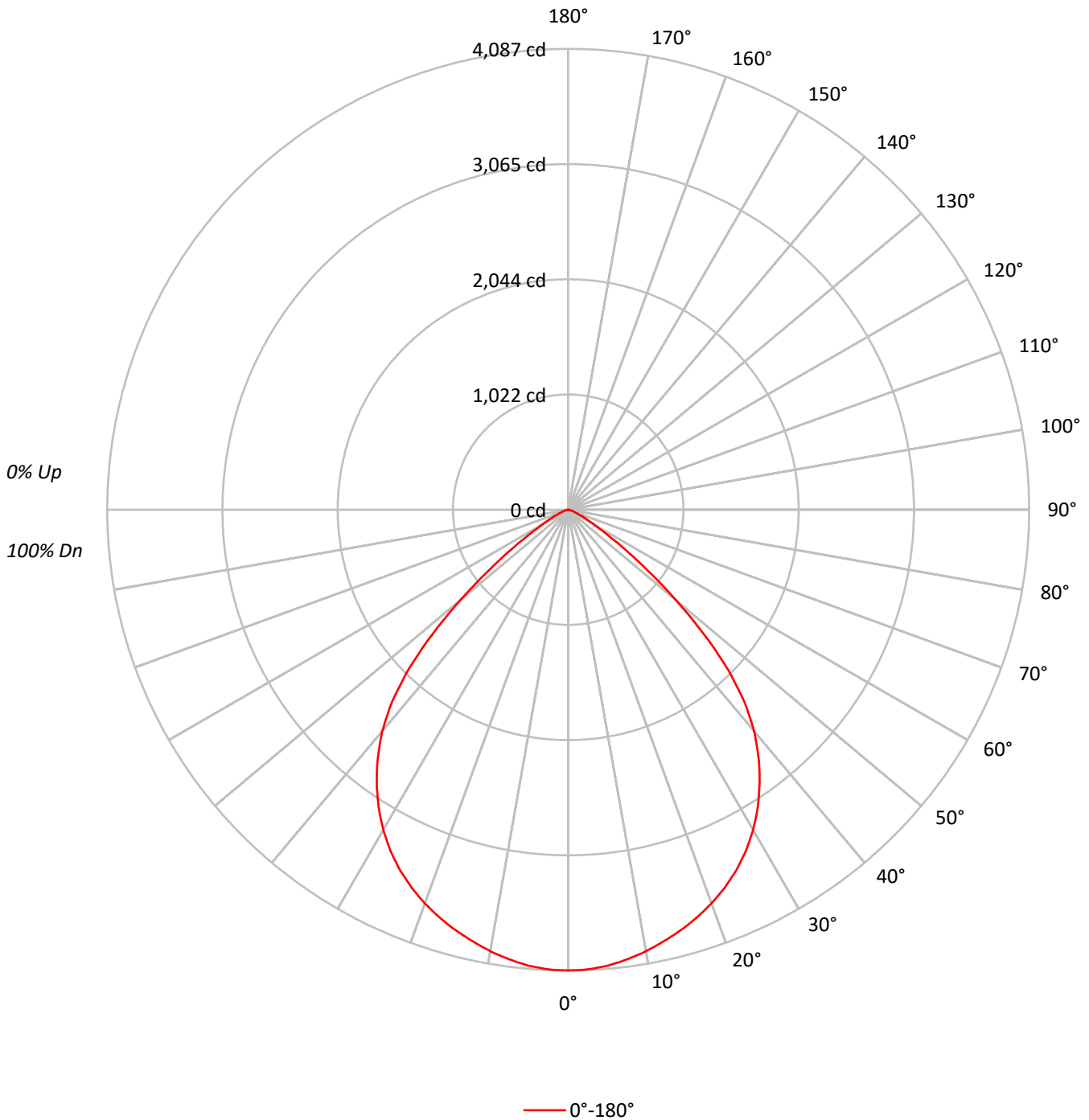
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126022
5°	125630
10°	124506
15°	123269
20°	121945
25°	120020
30°	116722
35°	111404
40°	103243
45°	87175
50°	59803
55°	32988
60°	16578
65°	9332
70°	5085
75°	3622
80°	2309
85°	1521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.7	5.3
10°-20°	1089.0	15.1
20°-30°	1621.3	22.5
30°-40°	1841.7	25.6
40°-50°	1505.4	20.9
50°-60°	589.9	8.2
60°-70°	137.5	1.9
70°-80°	33.1	0.5
80°-90°	5.3	0.1
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°	3095.0	42.9
0°-40°	4936.7	68.5
0°-60°	7032.1	97.6
0°-90°	7208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7208.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4087	
5°	4059	385
15°	3861	1089
25°	3528	1621
35°	2959	1842
45°	1999	1505
55°	614	590
65°	128	138
75°	30	33
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4086.8
2.5°	4080.3
5°	4058.6
7.5°	4021.8
10°	3976.3
12.5°	3919.9
15°	3861.3
17.5°	3792.0
20°	3716.1
22.5°	3627.2
25°	3527.5
27.5°	3410.4
30°	3278.1
32.5°	3128.5
35°	2959.4
37.5°	2773.0
40°	2564.8
42.5°	2313.3
45°	1999.0
47.5°	1630.4
50°	1246.6
52.5°	895.4
55°	613.6
57.5°	401.1
60°	268.8
62.5°	184.3
65°	127.9
67.5°	84.6
70°	56.4
72.5°	39.0
75°	30.4
77.5°	21.7
80°	13.0
82.5°	6.5
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)