

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: P250967

Luminaire Tested: **LD8B70D010 ER8B70840 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70840 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7372.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

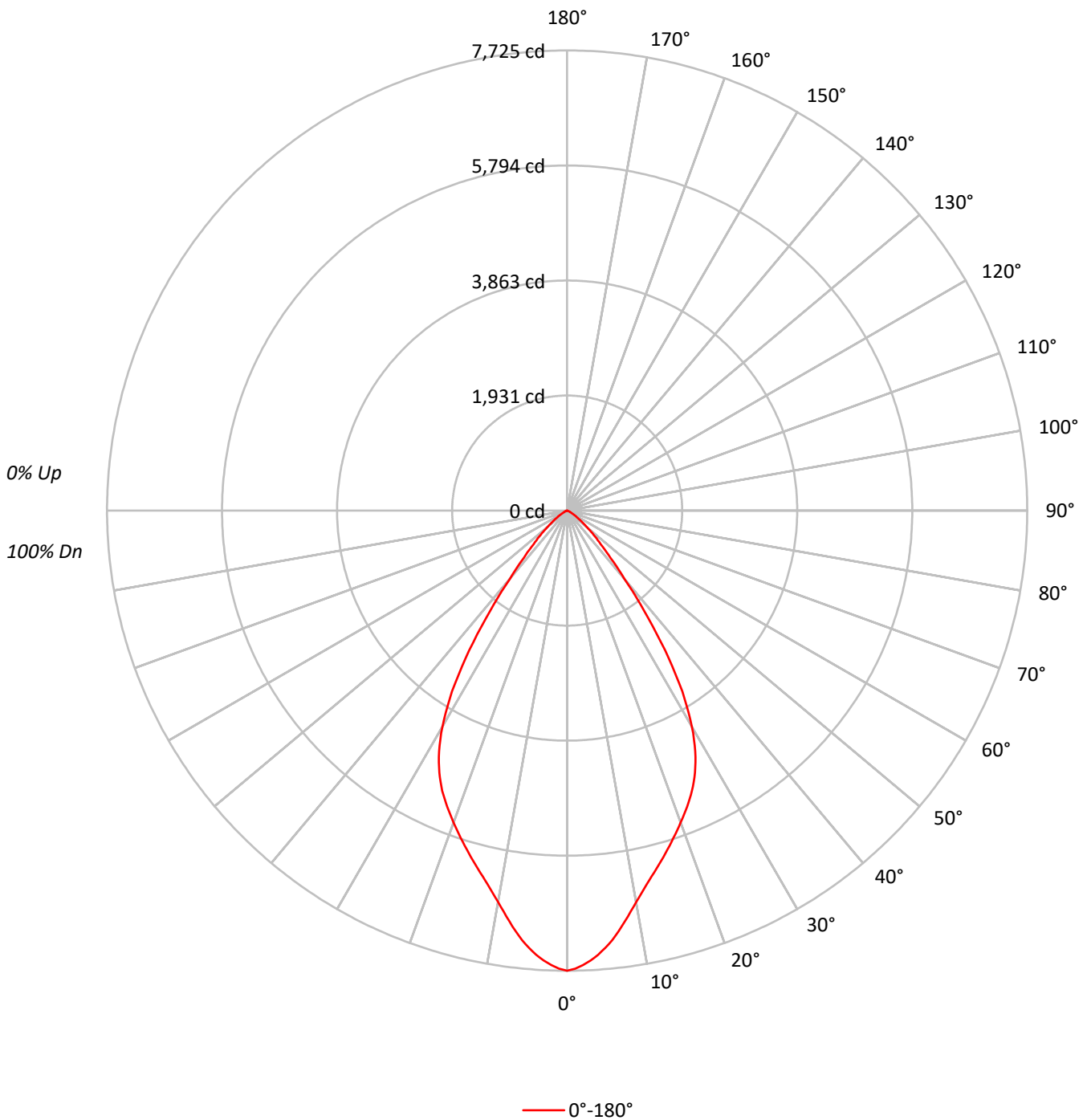
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238207
5°	228104
10°	209014
15°	194488
20°	182926
25°	171148
30°	149256
35°	107873
40°	60478
45°	34791
50°	21290
55°	12118
60°	6303
65°	3210
70°	1749
75°	1048
80°	622
85°	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.4	9.2
10°-20°	1712.6	23.2
20°-30°	2285.2	31.0
30°-40°	1761.4	23.9
40°-50°	656.7	8.9
50°-60°	214.8	2.9
60°-70°	49.5	0.7
70°-80°	10.0	0.1
80°-90°	1.5	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°	4678.2	63.5
0°-40°	6439.5	87.4
0°-60°	7311.0	99.2
0°-90°	7372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7372.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7725	
5°	7369	680
15°	6092	1713
25°	5030	2285
35°	2866	1761
45°	798	657
55°	225	215
65°	44	50
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7724.9
1°	7691.4
2°	7635.1
3°	7562.8
4°	7474.8
5°	7369.1
6°	7249.3
7°	7112.0
8°	6965.8
9°	6814.3
10°	6675.2
11°	6541.3
12°	6416.3
13°	6301.8
14°	6196.1
15°	6092.2
16°	5986.5
17°	5884.4
18°	5778.7
19°	5674.8
20°	5574.4
21°	5470.5
22°	5370.1
23°	5264.4
24°	5153.4
25°	5030.2
26°	4894.5
27°	4744.8
28°	4579.3
29°	4394.3
30°	4191.8
32.5°	3598.2
35°	2865.6
37.5°	2122.3
40°	1502.4
42.5°	1076.1
45°	797.8
47.5°	600.6
50°	443.8
52.5°	317.0
55°	225.4
57.5°	155.0
60°	102.2
62.5°	66.9
65°	44.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	29.9
70°	19.4
72.5°	12.3
75°	8.8
77.5°	5.3
80°	3.5
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)