

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: P251003

Luminaire Tested: **LD8B70D010 ER8B70950 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70950 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7610.9 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

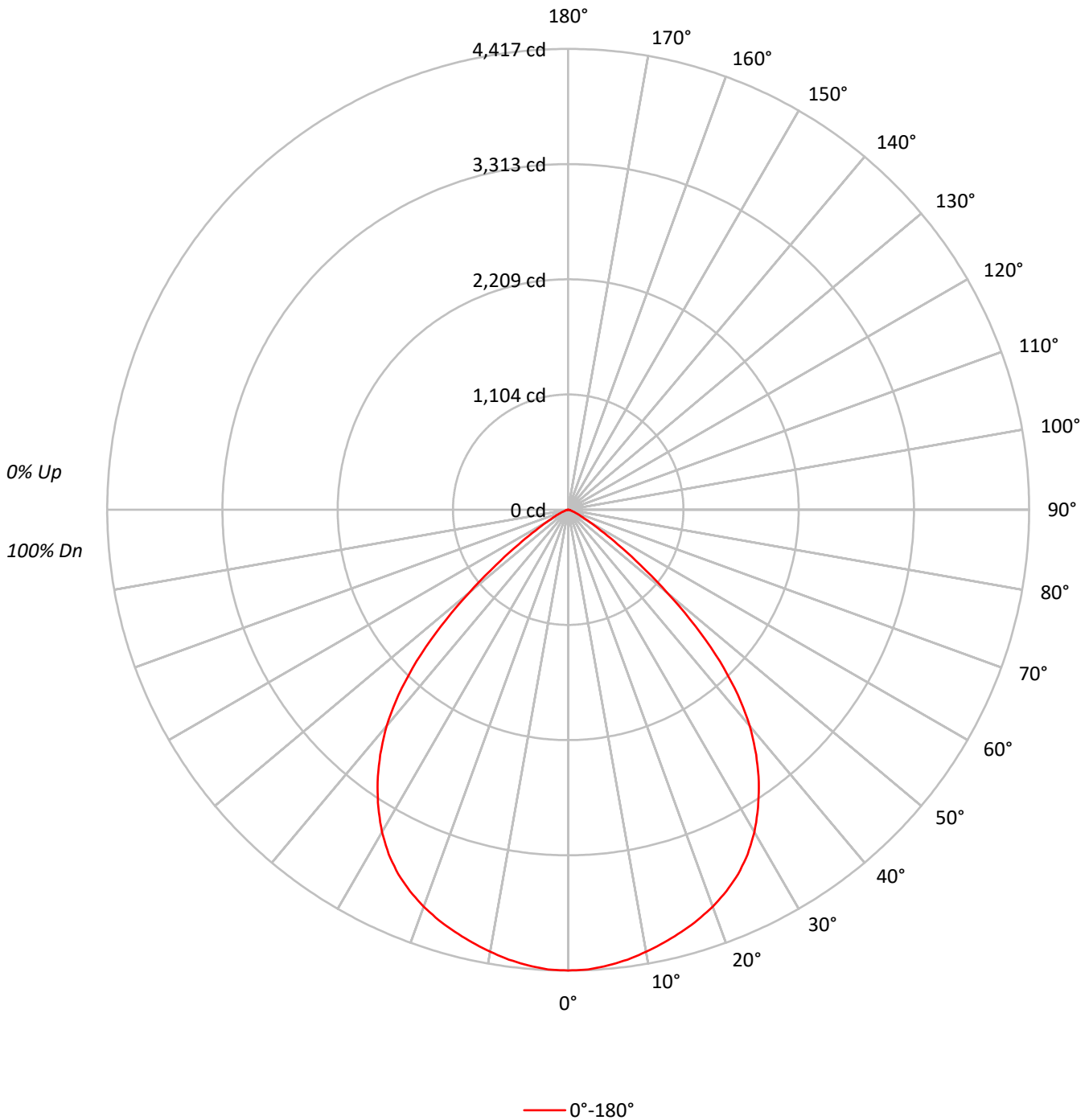
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136201
5°	135746
10°	134717
15°	133768
20°	132863
25°	131112
30°	127063
35°	119885
40°	108955
45°	89652
50°	59755
55°	31128
60°	14672
65°	7698
70°	3841
75°	2669
80°	1989
85°	1592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.0	5.5
10°-20°	1182.6	15.5
20°-30°	1769.2	23.2
30°-40°	1978.8	26.0
40°-50°	1552.4	20.4
50°-60°	566.4	7.4
60°-70°	115.5	1.5
70°-80°	24.8	0.3
80°-90°	5.2	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°	3367.8	44.2
0°-40°	5346.6	70.2
0°-60°	7465.5	98.1
0°-90°	7610.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7610.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4417	
5°	4385	416
15°	4190	1183
25°	3854	1769
35°	3185	1979
45°	2056	1552
55°	579	566
65°	106	115
75°	22	25
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4416.9
2.5°	4410.1
5°	4385.4
7.5°	4349.5
10°	4302.4
12.5°	4248.5
15°	4190.2
17.5°	4125.1
20°	4048.8
22.5°	3959.0
25°	3853.5
27.5°	3723.4
30°	3568.5
32.5°	3386.7
35°	3184.7
37.5°	2958.0
40°	2706.7
42.5°	2408.2
45°	2055.8
47.5°	1658.6
50°	1245.6
52.5°	873.0
55°	579.0
57.5°	370.3
60°	237.9
62.5°	157.1
65°	105.5
67.5°	67.3
70°	42.6
72.5°	29.2
75°	22.4
77.5°	15.7
80°	11.2
82.5°	6.7
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)