

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: P251081

Luminaire Tested: **LD8B70D010 ER8B70827 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251081
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 ER8B70827 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7592.1 lumens
Efficiency: N/A
Efficacy: 100.0 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

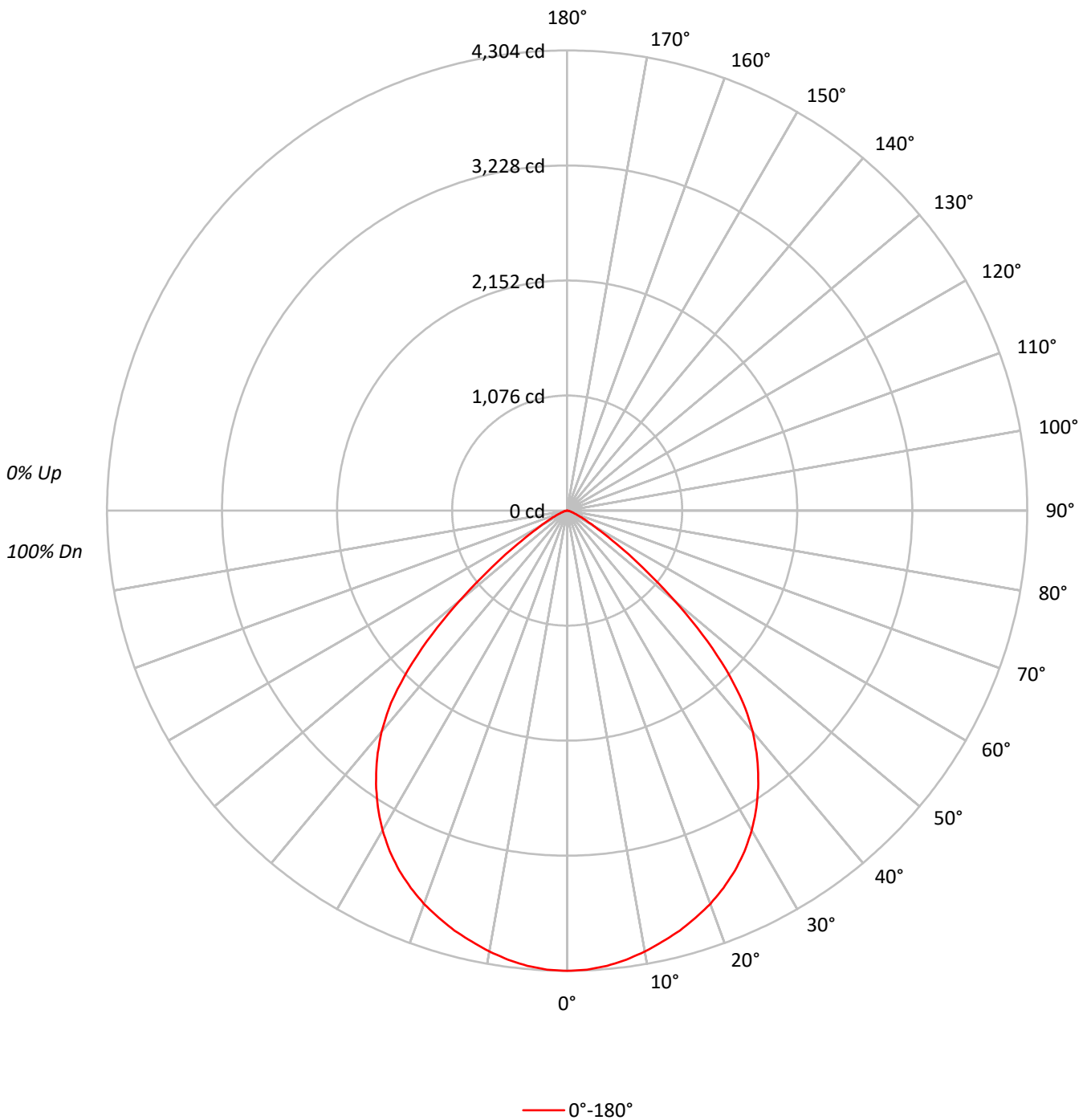
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	132735
5°	132326
10°	131138
15°	129839
20°	128442
25°	126413
30°	122943
35°	117341
40°	108746
45°	91819
50°	62993
55°	34746
60°	17466
65°	9828
70°	5355
75°	3813
80°	2433
85°	1628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.2	5.3
10°-20°	1147.0	15.1
20°-30°	1707.7	22.5
30°-40°	1939.8	25.6
40°-50°	1585.7	20.9
50°-60°	621.4	8.2
60°-70°	144.8	1.9
70°-80°	34.9	0.5
80°-90°	5.6	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°	3259.9	42.9
0°-40°	5199.8	68.5
0°-60°	7406.8	97.6
0°-90°	7592.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7592.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4304	
5°	4275	405
15°	4067	1147
25°	3715	1708
35°	3117	1940
45°	2106	1586
55°	646	621
65°	135	145
75°	32	35
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4304.5
2.5°	4297.7
5°	4274.9
7.5°	4236.0
10°	4188.1
12.5°	4128.7
15°	4067.1
17.5°	3994.0
20°	3914.1
22.5°	3820.4
25°	3715.4
27.5°	3592.1
30°	3452.8
32.5°	3295.2
35°	3117.1
37.5°	2920.7
40°	2701.5
42.5°	2436.6
45°	2105.5
47.5°	1717.3
50°	1313.1
52.5°	943.1
55°	646.3
57.5°	422.5
60°	283.2
62.5°	194.1
65°	134.7
67.5°	89.1
70°	59.4
72.5°	41.1
75°	32.0
77.5°	22.8
80°	13.7
82.5°	6.9
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)