

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: P244469

Luminaire Tested: **LD8B50D010 ER8B50840 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244469
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: LD8B50D010 ER8B50840 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5996.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

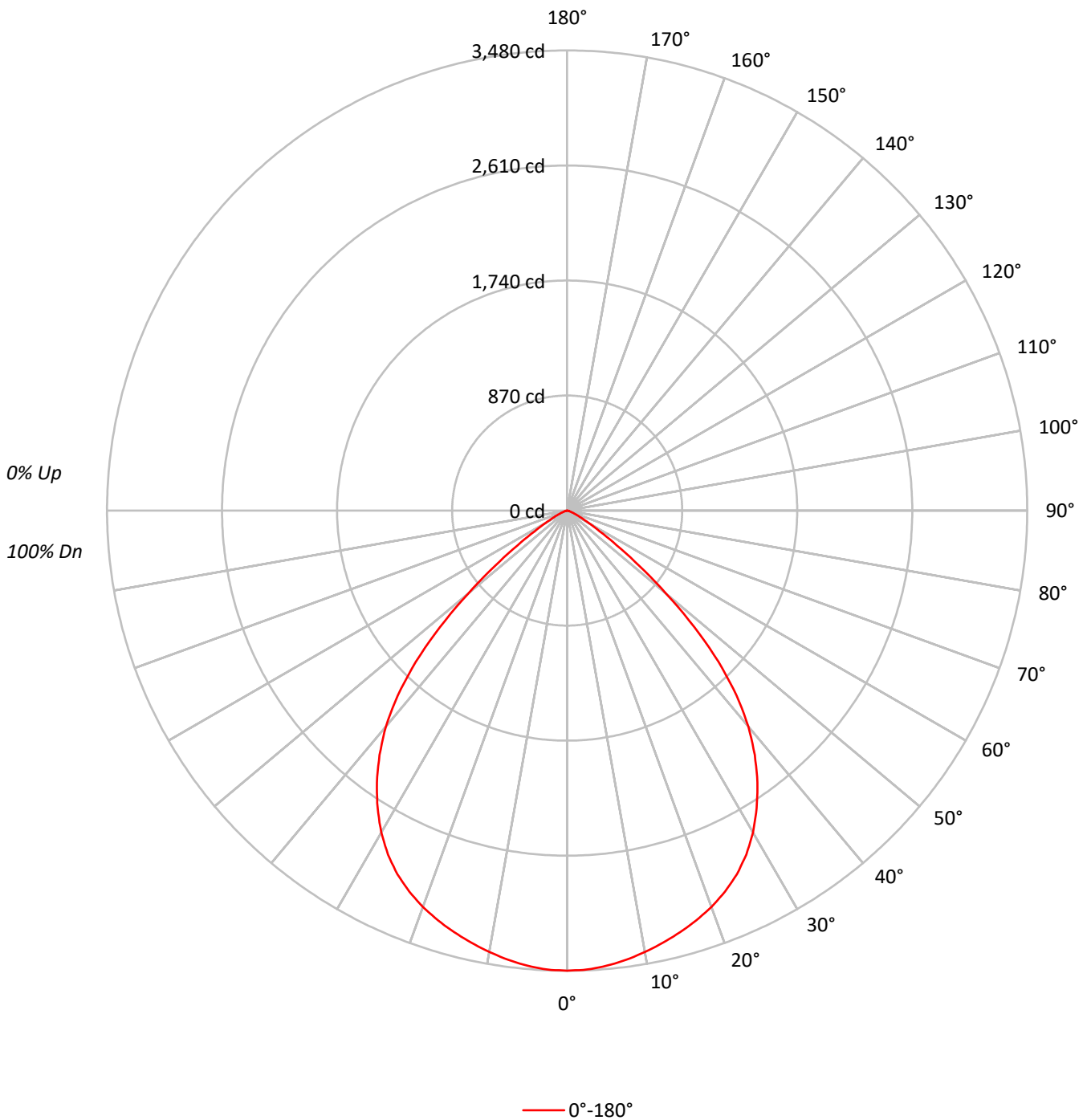
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81				81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73				73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65				65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59				59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53				53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48				48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44				44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40				40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107298
5°	106943
10°	106132
15°	105385
20°	104671
25°	103290
30°	100101
35°	94446
40°	85833
45°	70629
50°	47076
55°	24526
60°	11557
65°	6063
70°	3029
75°	2109
80°	1563
85°	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	5.5
10°-20°	931.7	15.5
20°-30°	1393.8	23.2
30°-40°	1558.9	26.0
40°-50°	1223.0	20.4
50°-60°	446.3	7.4
60°-70°	91.0	1.5
70°-80°	19.6	0.3
80°-90°	4.1	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°	2653.2	44.2
0°-40°	4212.1	70.2
0°-60°	5881.4	98.1
0°-90°	5996.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5996.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3480	
5°	3455	328
15°	3301	932
25°	3036	1394
35°	2509	1559
45°	1620	1223
55°	456	446
65°	83	91
75°	18	20
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3479.6
2.5°	3474.3
5°	3454.9
7.5°	3426.6
10°	3389.5
12.5°	3347.0
15°	3301.1
17.5°	3249.8
20°	3189.7
22.5°	3118.9
25°	3035.8
27.5°	2933.3
30°	2811.3
32.5°	2668.1
35°	2508.9
37.5°	2330.4
40°	2132.3
42.5°	1897.2
45°	1619.6
47.5°	1306.6
50°	981.3
52.5°	687.8
55°	456.2
57.5°	291.7
60°	187.4
62.5°	123.8
65°	83.1
67.5°	53.0
70°	33.6
72.5°	23.0
75°	17.7
77.5°	12.4
80°	8.8
82.5°	5.3
85°	3.5
87.5°	1.8
90°	0.0

(END OF REPORT)