

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: P244499

Luminaire Tested: **LD8B50D010 ER8B50940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244499
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 ER8B50940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5375.0 lumens
Efficiency: N/A
Efficacy: 101.4 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

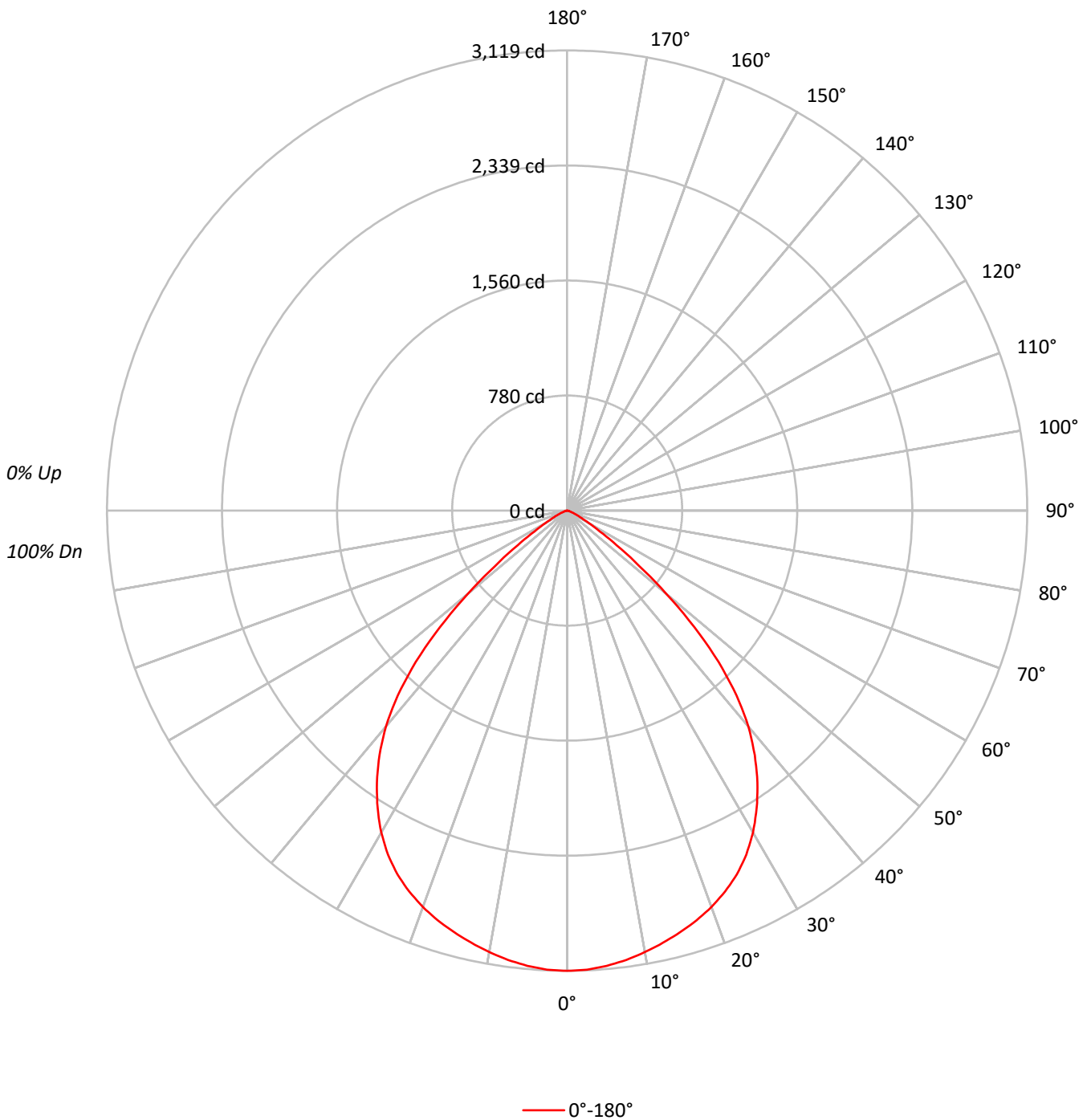
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	96188
5°	95868
10°	95138
15°	94470
20°	93829
25°	92593
30°	89732
35°	84666
40°	76945
45°	63312
50°	42202
55°	21983
60°	10361
65°	5436
70°	2714
75°	1882
80°	1403
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	5.5
10°-20°	835.2	15.5
20°-30°	1249.4	23.2
30°-40°	1397.5	26.0
40°-50°	1096.3	20.4
50°-60°	400.0	7.4
60°-70°	81.5	1.5
70°-80°	17.5	0.3
80°-90°	3.7	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°	2378.4	44.2
0°-40°	3775.9	70.2
0°-60°	5272.2	98.1
0°-90°	5375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5375.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3119	
5°	3097	294
15°	2959	835
25°	2721	1249
35°	2249	1397
45°	1452	1096
55°	409	400
65°	74	82
75°	16	18
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3119.3
2.5°	3114.5
5°	3097.1
7.5°	3071.7
10°	3038.4
12.5°	3000.4
15°	2959.2
17.5°	2913.2
20°	2859.3
22.5°	2795.9
25°	2721.4
27.5°	2629.5
30°	2520.1
32.5°	2391.7
35°	2249.1
37.5°	2089.0
40°	1911.5
42.5°	1700.7
45°	1451.8
47.5°	1171.3
50°	879.7
52.5°	616.6
55°	408.9
57.5°	261.5
60°	168.0
62.5°	110.9
65°	74.5
67.5°	47.5
70°	30.1
72.5°	20.6
75°	15.8
77.5°	11.1
80°	7.9
82.5°	4.8
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)