

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: P244937

Luminaire Tested: **LD8B50D010 ER8B50950 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244937
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: LD8B50D010 ER8B50950 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5456.9 lumens
Efficiency: N/A
Efficacy: 103.0 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

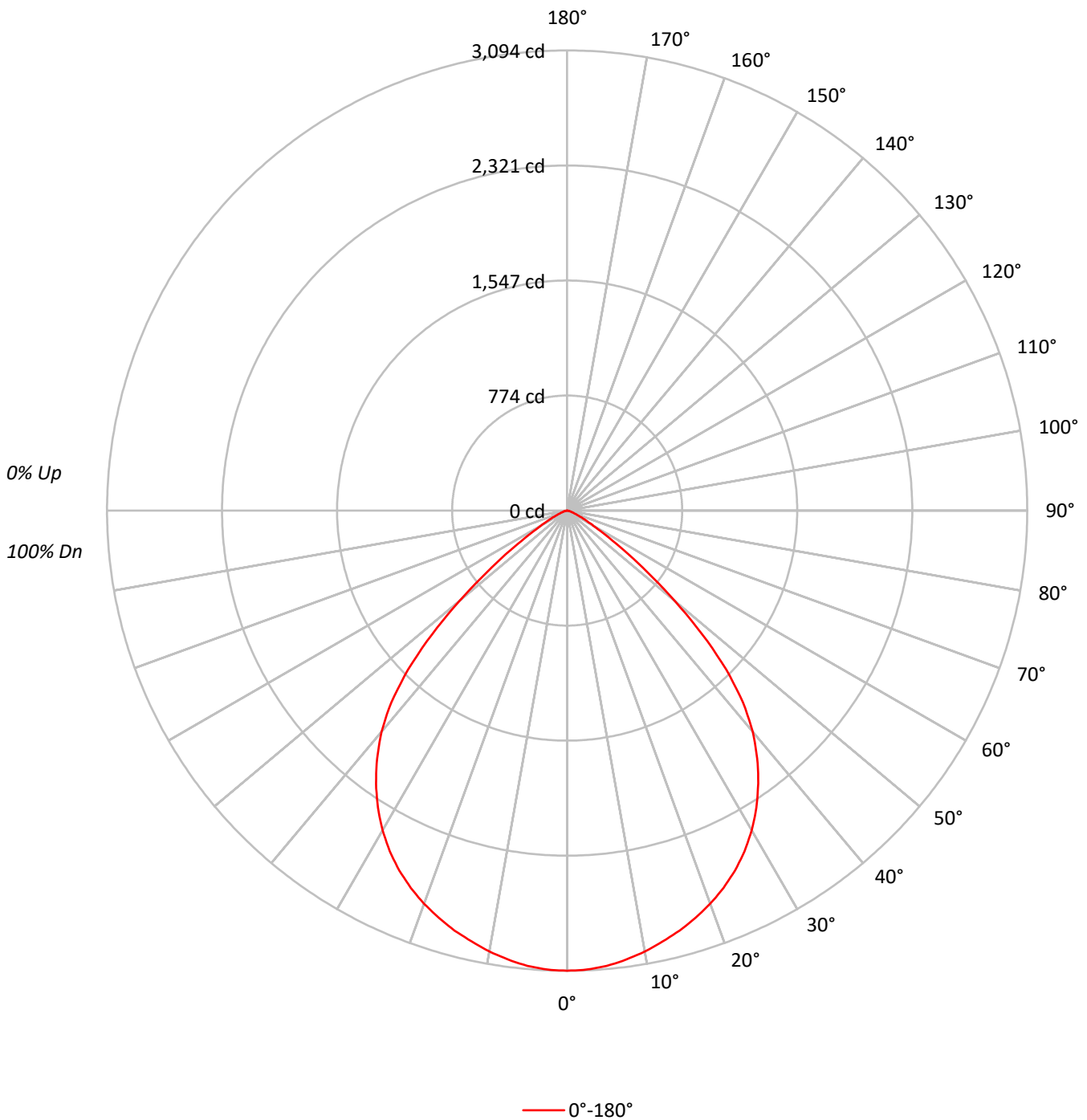
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	95408
5°	95113
10°	94259
15°	93324
20°	92323
25°	90865
30°	88369
35°	84342
40°	78165
45°	65998
50°	45277
55°	24972
60°	12550
65°	7063
70°	3850
75°	2740
80°	1740
85°	1168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	5.3
10°-20°	824.4	15.1
20°-30°	1227.5	22.5
30°-40°	1394.3	25.6
40°-50°	1139.7	20.9
50°-60°	446.6	8.2
60°-70°	104.1	1.9
70°-80°	25.0	0.5
80°-90°	4.0	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°	2343.2	42.9
0°-40°	3737.5	68.5
0°-60°	5323.8	97.6
0°-90°	5456.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5456.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3094	
5°	3073	291
15°	2923	824
25°	2671	1227
35°	2240	1394
45°	1513	1140
55°	464	447
65°	97	104
75°	23	25
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3094.0
2.5°	3089.1
5°	3072.7
7.5°	3044.8
10°	3010.3
12.5°	2967.6
15°	2923.3
17.5°	2870.8
20°	2813.4
22.5°	2746.1
25°	2670.6
27.5°	2581.9
30°	2481.8
32.5°	2368.5
35°	2240.5
37.5°	2099.3
40°	1941.8
42.5°	1751.4
45°	1513.4
47.5°	1234.3
50°	943.8
52.5°	677.9
55°	464.5
57.5°	303.7
60°	203.5
62.5°	139.5
65°	96.8
67.5°	64.0
70°	42.7
72.5°	29.5
75°	23.0
77.5°	16.4
80°	9.8
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)