

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: P244943

Luminaire Tested: **LD8B50D010 ER8B50927 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244943
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 ER8B50927 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4634.9 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

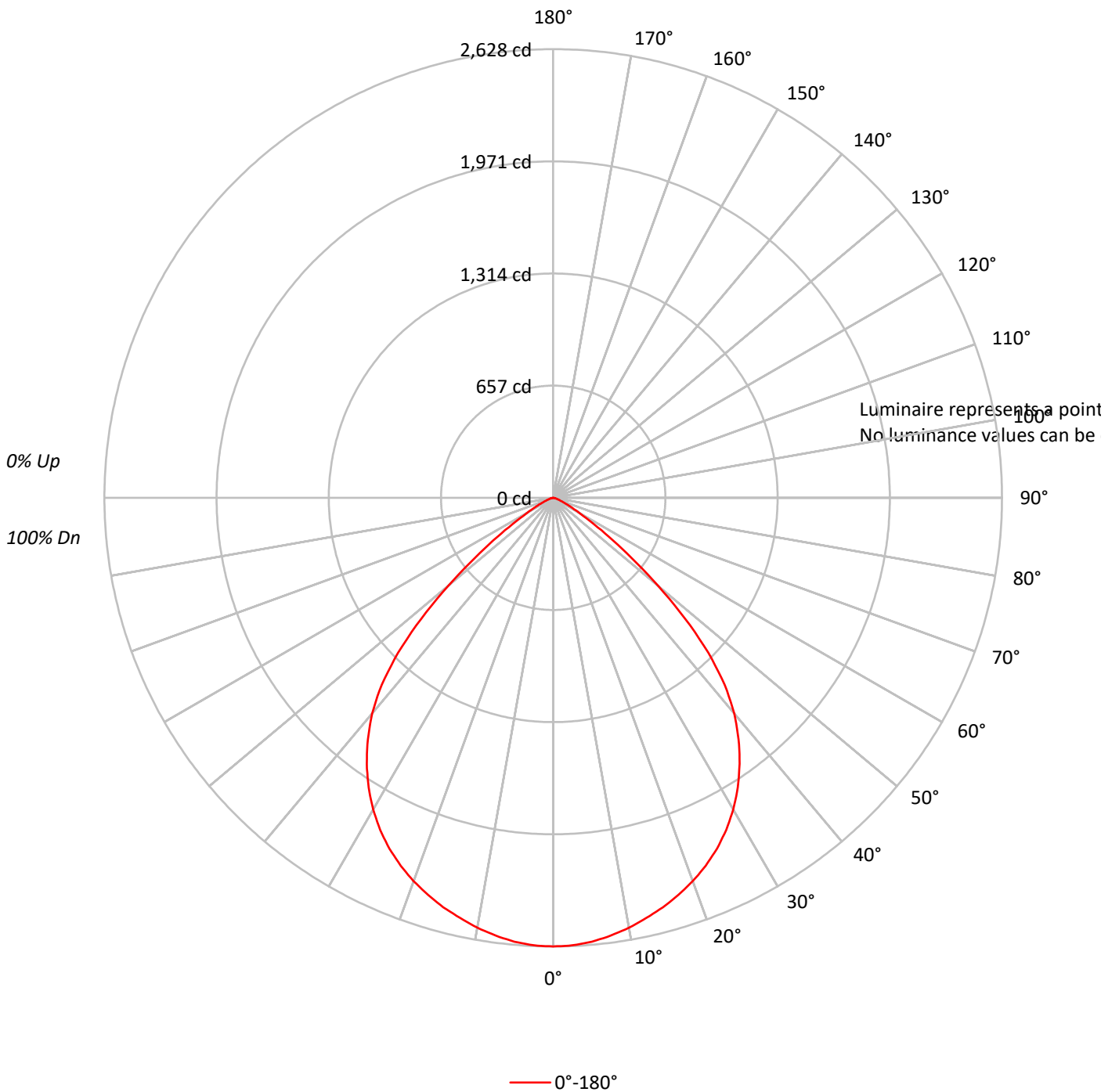
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	5.3
10°-20°	700.3	15.1
20°-30°	1042.6	22.5
30°-40°	1184.3	25.6
40°-50°	968.1	20.9
50°-60°	379.4	8.2
60°-70°	88.4	1.9
70°-80°	21.3	0.5
80°-90°	3.4	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°	1990.2	42.9
0°-40°	3174.5	68.5
0°-60°	4521.9	97.6
0°-90°	4634.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4634.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2628	
5°	2610	247
15°	2483	700
25°	2268	1043
35°	1903	1184
45°	1285	968
55°	394	379
65°	82	88
75°	20	21
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2628.0
2.5°	2623.8
5°	2609.9
7.5°	2586.2
10°	2556.9
12.5°	2520.7
15°	2483.0
17.5°	2438.3
20°	2389.6
22.5°	2332.5
25°	2268.3
27.5°	2193.0
30°	2107.9
32.5°	2011.7
35°	1903.0
37.5°	1783.1
40°	1649.2
42.5°	1487.6
45°	1285.4
47.5°	1048.4
50°	801.7
52.5°	575.8
55°	394.5
57.5°	258.0
60°	172.9
62.5°	118.5
65°	82.2
67.5°	54.3
70°	36.2
72.5°	25.1
75°	19.5
77.5°	14.0
80°	8.3
82.5°	4.2
85°	2.8
87.5°	1.3
90°	0.0

(END OF REPORT)