

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: P245789

Luminaire Tested: **LD8B50D010 ER8B50935 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B50D010 ER8B50935 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4650.0 lumens
Efficiency: N/A
Efficacy: 87.7 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

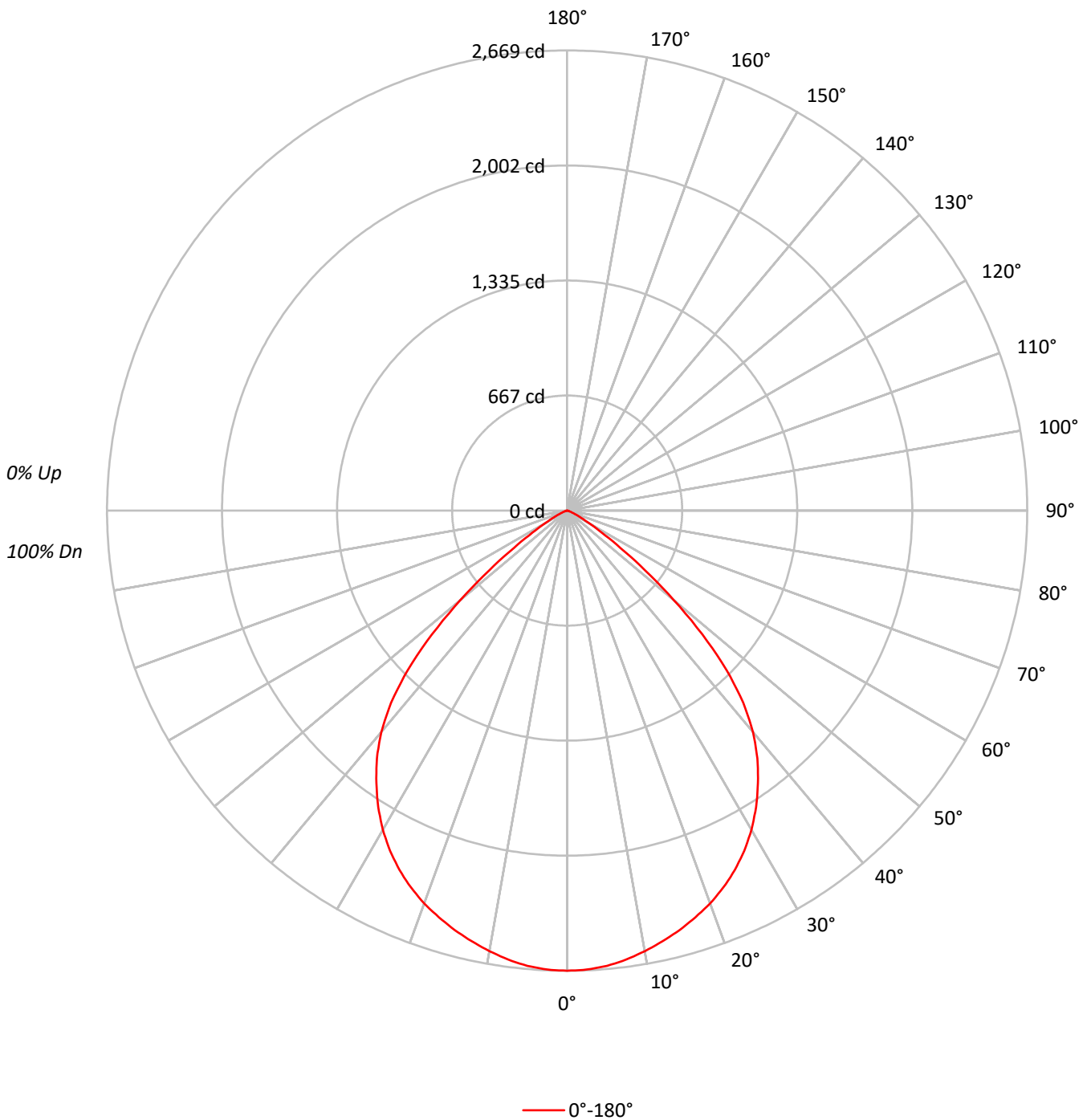
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82305
5°	82056
10°	81245
15°	80414
20°	79571
25°	78269
30°	76127
35°	72657
40°	67554
45°	57041
50°	38728
55°	20230
60°	9078
65°	4429
70°	1776
75°	1084
80°	817
85°	531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	5.4
10°-20°	710.5	15.3
20°-30°	1057.6	22.7
30°-40°	1202.3	25.9
40°-50°	983.1	21.1
50°-60°	366.5	7.9
60°-70°	67.0	1.4
70°-80°	10.4	0.2
80°-90°	1.4	0.0
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°	2019.3	43.4
0°-40°	3221.6	69.3
0°-60°	4571.2	98.3
0°-90°	4650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4650.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2669	
5°	2651	251
15°	2519	710
25°	2300	1058
35°	1930	1202
45°	1308	983
55°	376	366
65°	61	67
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2669.1
2.5°	2664.5
5°	2650.9
7.5°	2626.6
10°	2594.7
12.5°	2558.3
15°	2518.9
17.5°	2473.3
20°	2424.8
22.5°	2367.1
25°	2300.4
27.5°	2224.5
30°	2138.0
32.5°	2039.4
35°	1930.1
37.5°	1813.3
40°	1678.2
42.5°	1511.3
45°	1308.0
47.5°	1063.7
50°	807.3
52.5°	569.0
55°	376.3
57.5°	236.7
60°	147.2
62.5°	94.1
65°	60.7
67.5°	34.9
70°	19.7
72.5°	12.1
75°	9.1
77.5°	6.1
80°	4.6
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)