

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: P246299

Luminaire Tested: **LSR8B50D010 EC8B50940 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50940 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3121.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

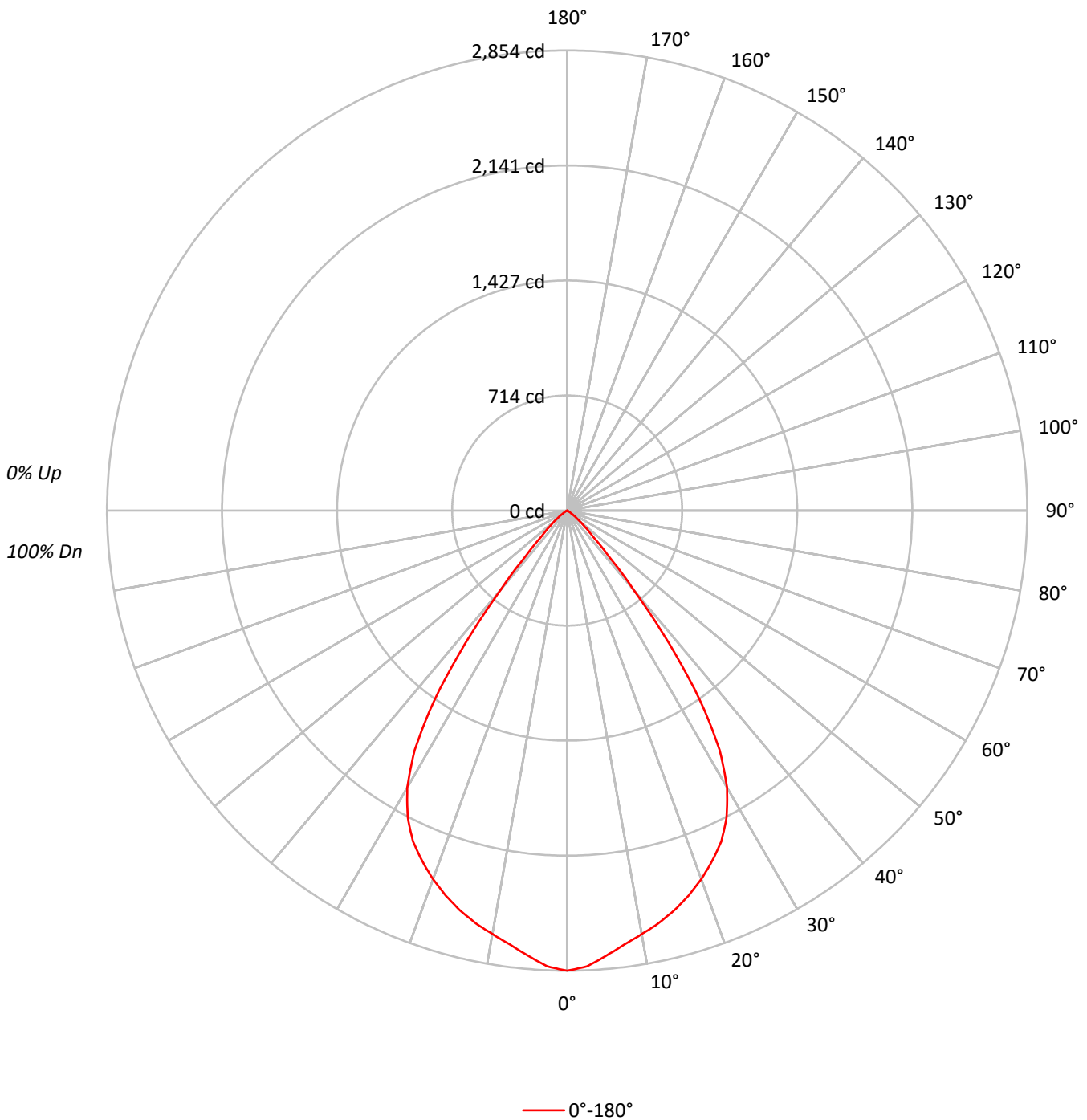
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	74
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	65	63
7	82	72	66	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88007
5°	85792
10°	83509
15°	81956
20°	79823
25°	76993
30°	70644
35°	54166
40°	25771
45°	9812
50°	4788
55°	1957
60°	487
65°	117
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	8.4
10°-20°	722.4	23.1
20°-30°	1031.5	33.1
30°-40°	854.9	27.4
40°-50°	210.8	6.8
50°-60°	37.9	1.2
60°-70°	2.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	2015.2	64.6
0°-40°	2870.2	92.0
0°-60°	3118.9	99.9
0°-90°	3121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3121.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2854	
5°	2772	261
15°	2567	722
25°	2263	1032
35°	1439	855
45°	225	211
55°	36	38
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2854.0
2.5°	2830.2
5°	2771.6
7.5°	2714.6
10°	2667.0
12.5°	2621.1
15°	2567.2
17.5°	2503.8
20°	2432.5
22.5°	2351.7
25°	2262.9
27.5°	2142.5
30°	1984.0
32.5°	1760.6
35°	1438.9
37.5°	1039.6
40°	640.2
42.5°	372.4
45°	225.0
47.5°	149.0
50°	99.8
52.5°	65.0
55°	36.4
57.5°	17.4
60°	7.9
62.5°	3.2
65°	1.6
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)