

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: P245321

Luminaire Tested: **LSR8B50D010 EC8B50830 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50830 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5913.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

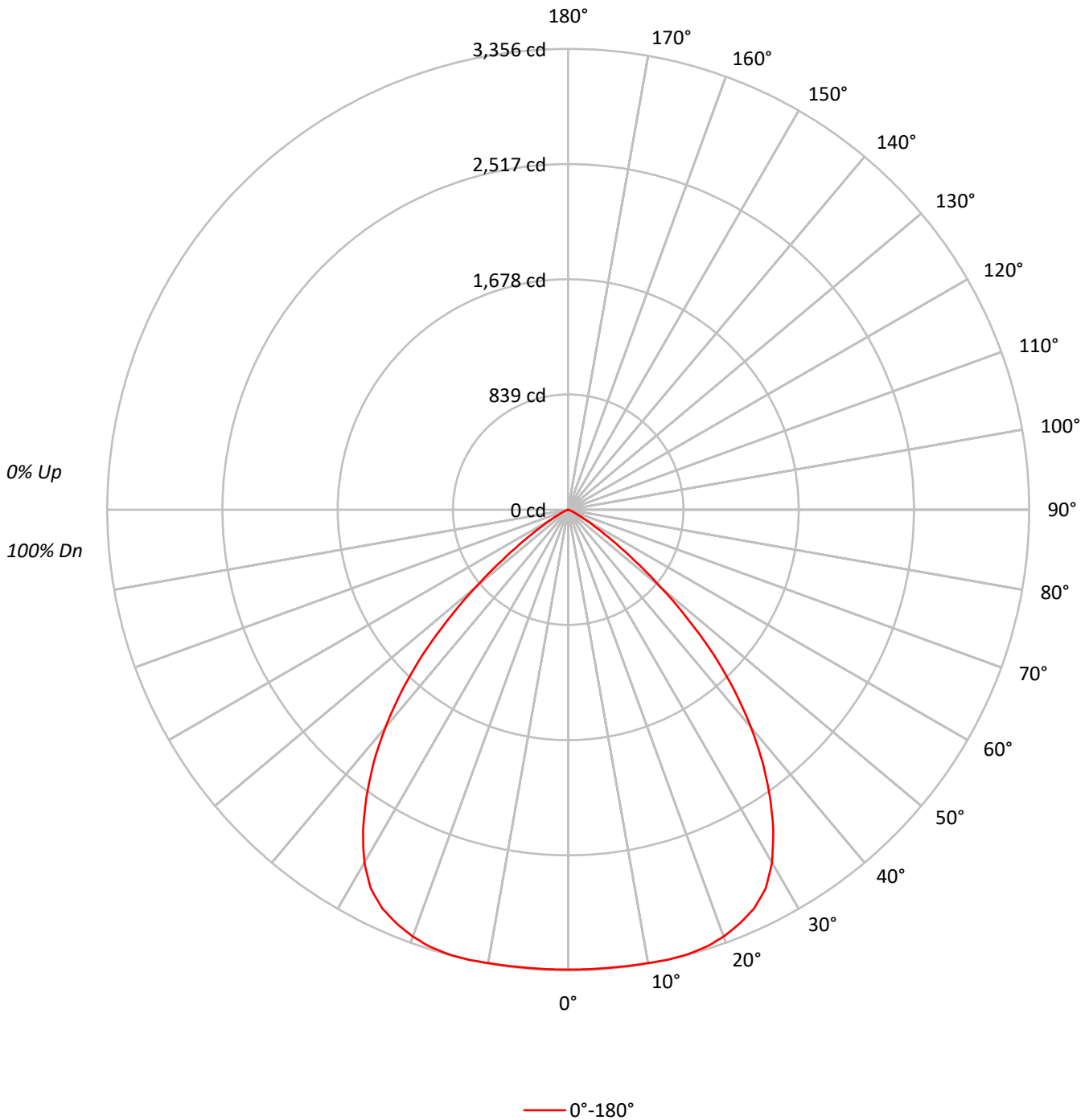
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103277
5°	103671
10°	104977
15°	107029
20°	108556
25°	109003
30°	105666
35°	96444
40°	83426
45°	65675
50°	42365
55°	20795
60°	8548
65°	3743
70°	1082
75°	405
80°	302
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.8	5.4
10°-20°	947.5	16.0
20°-30°	1466.9	24.8
30°-40°	1589.2	26.9
40°-50°	1143.5	19.3
50°-60°	382.6	6.5
60°-70°	57.8	1.0
70°-80°	4.9	0.1
80°-90°	0.7	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°	2734.2	46.2
0°-40°	4323.4	73.1
0°-60°	5849.5	98.9
0°-90°	5913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5913.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3349	
5°	3349	320
15°	3353	947
25°	3204	1467
35°	2562	1589
45°	1506	1144
55°	387	383
65°	51	58
75°	3	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3349.2
2.5°	3349.2
5°	3349.2
7.5°	3350.9
10°	3352.6
12.5°	3356.0
15°	3352.6
17.5°	3338.9
20°	3308.1
22.5°	3261.9
25°	3203.7
27.5°	3111.3
30°	2967.6
32.5°	2779.3
35°	2562.0
37.5°	2327.5
40°	2072.5
42.5°	1798.7
45°	1506.0
47.5°	1189.4
50°	883.1
52.5°	605.8
55°	386.8
57.5°	231.0
60°	138.6
62.5°	83.9
65°	51.3
67.5°	25.7
70°	12.0
72.5°	5.1
75°	3.4
77.5°	3.4
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)