

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: P245357

Luminaire Tested: **LSR8B50D010 EC8B50935 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245357
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 EC8B50935 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5244.0 lumens
Efficiency: N/A
Efficacy: 98.9 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

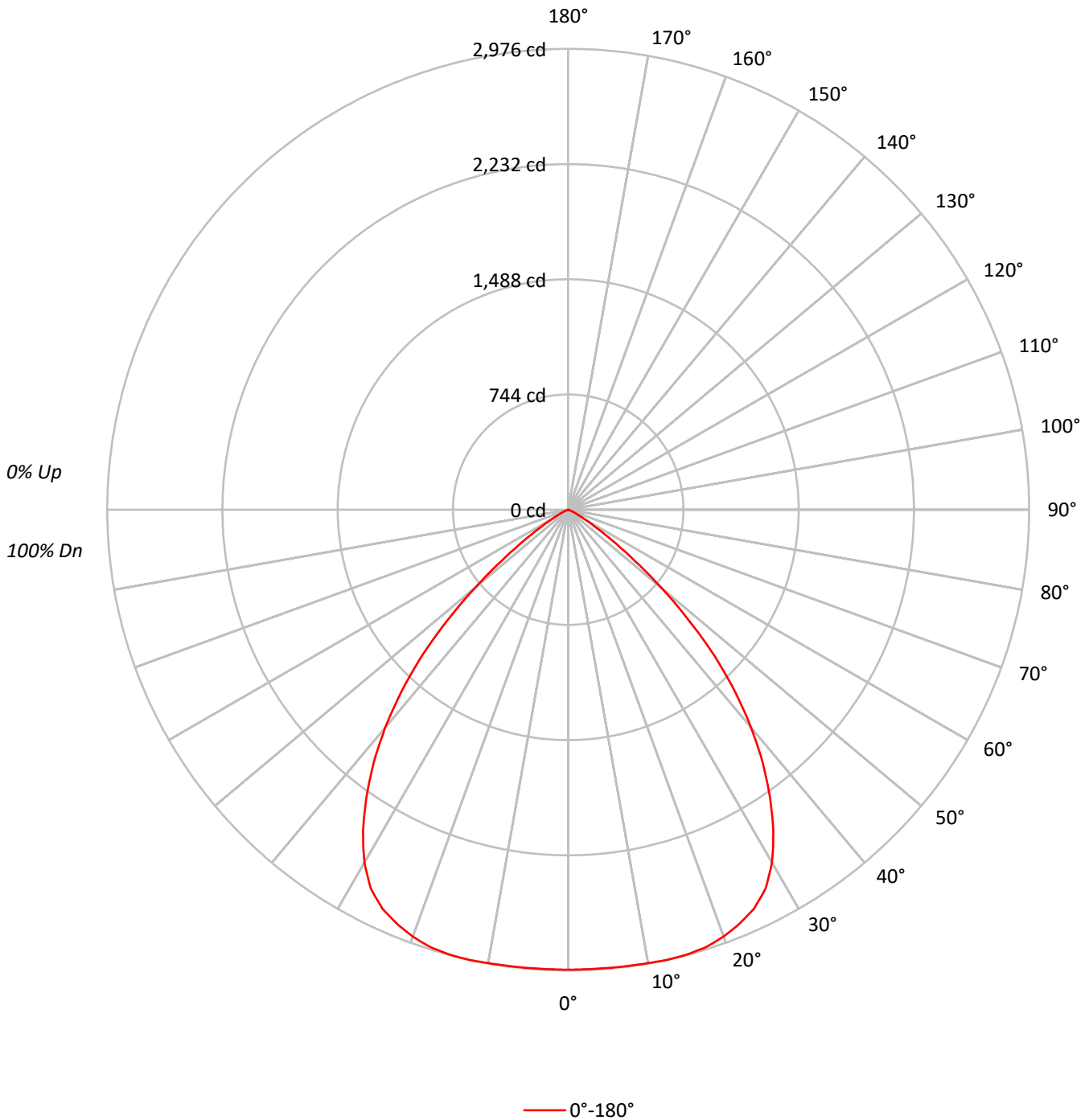
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	91593
5°	91943
10°	93100
15°	94920
20°	96274
25°	96673
30°	93710
35°	85531
40°	73987
45°	58244
50°	37572
55°	18440
60°	7580
65°	3320
70°	956
75°	357
80°	266
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	5.4
10°-20°	840.3	16.0
20°-30°	1301.0	24.8
30°-40°	1409.4	26.9
40°-50°	1014.2	19.3
50°-60°	339.3	6.5
60°-70°	51.3	1.0
70°-80°	4.4	0.1
80°-90°	0.6	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°	2424.9	46.2
0°-40°	3834.2	73.1
0°-60°	5187.7	98.9
0°-90°	5244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2970	
5°	2970	284
15°	2973	840
25°	2841	1301
35°	2272	1409
45°	1336	1014
55°	343	339
65°	46	51
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2970.3
2.5°	2970.3
5°	2970.3
7.5°	2971.8
10°	2973.3
12.5°	2976.3
15°	2973.3
17.5°	2961.2
20°	2933.8
22.5°	2892.9
25°	2841.3
27.5°	2759.3
30°	2631.8
32.5°	2464.9
35°	2272.1
37.5°	2064.2
40°	1838.0
42.5°	1595.2
45°	1335.6
47.5°	1054.8
50°	783.2
52.5°	537.3
55°	343.0
57.5°	204.9
60°	122.9
62.5°	74.4
65°	45.5
67.5°	22.8
70°	10.6
72.5°	4.6
75°	3.0
77.5°	3.0
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)