

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: P245753

Luminaire Tested: **LSR8B50D010 EC8B50830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245753
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: LSR8B50D010 EC8B50830 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH GRAPHITE 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): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

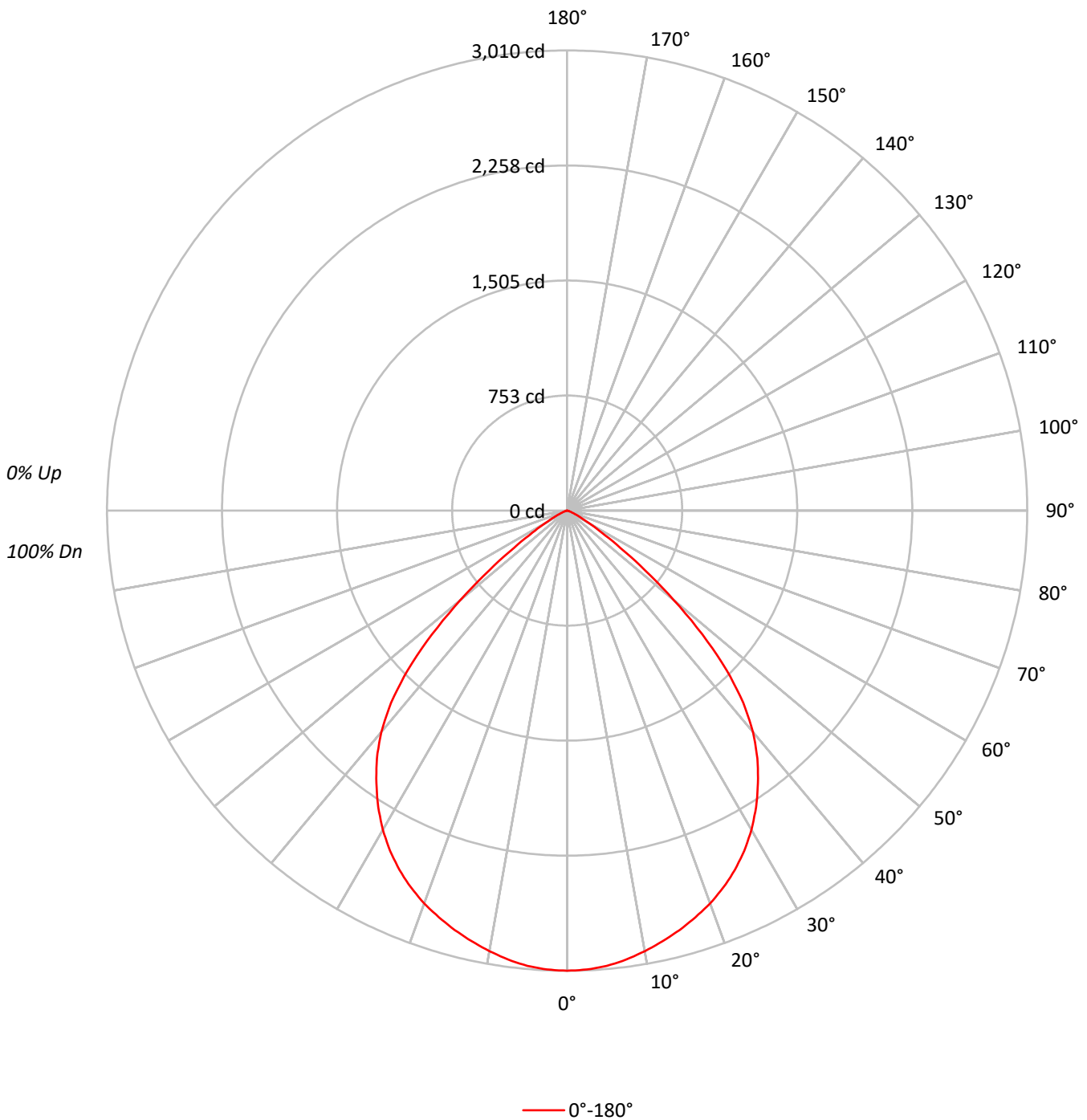
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92817
5°	92537
10°	91625
15°	90684
20°	89733
25°	88265
30°	85851
35°	81940
40°	76185
45°	64328
50°	43674
55°	22816
60°	10238
65°	4991
70°	2002
75°	1227
80°	906
85°	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	5.4
10°-20°	801.2	15.3
20°-30°	1192.7	22.7
30°-40°	1355.8	25.9
40°-50°	1108.7	21.1
50°-60°	413.3	7.9
60°-70°	75.5	1.4
70°-80°	11.7	0.2
80°-90°	1.6	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°	2277.3	43.4
0°-40°	3633.1	69.3
0°-60°	5155.1	98.3
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°	3010	
5°	2990	283
15°	2841	801
25°	2594	1193
35°	2177	1356
45°	1475	1109
55°	424	413
65°	68	76
75°	10	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3010.0
2.5°	3004.9
5°	2989.5
7.5°	2962.1
10°	2926.2
12.5°	2885.1
15°	2840.6
17.5°	2789.3
20°	2734.5
22.5°	2669.5
25°	2594.2
27.5°	2508.7
30°	2411.1
32.5°	2299.9
35°	2176.7
37.5°	2044.9
40°	1892.6
42.5°	1704.4
45°	1475.1
47.5°	1199.6
50°	910.4
52.5°	641.7
55°	424.4
57.5°	267.0
60°	166.0
62.5°	106.1
65°	68.4
67.5°	39.4
70°	22.2
72.5°	13.7
75°	10.3
77.5°	6.8
80°	5.1
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)