

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: P244475

Luminaire Tested: **LSR8B50D010 EC8B50850 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50850 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6112.9 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

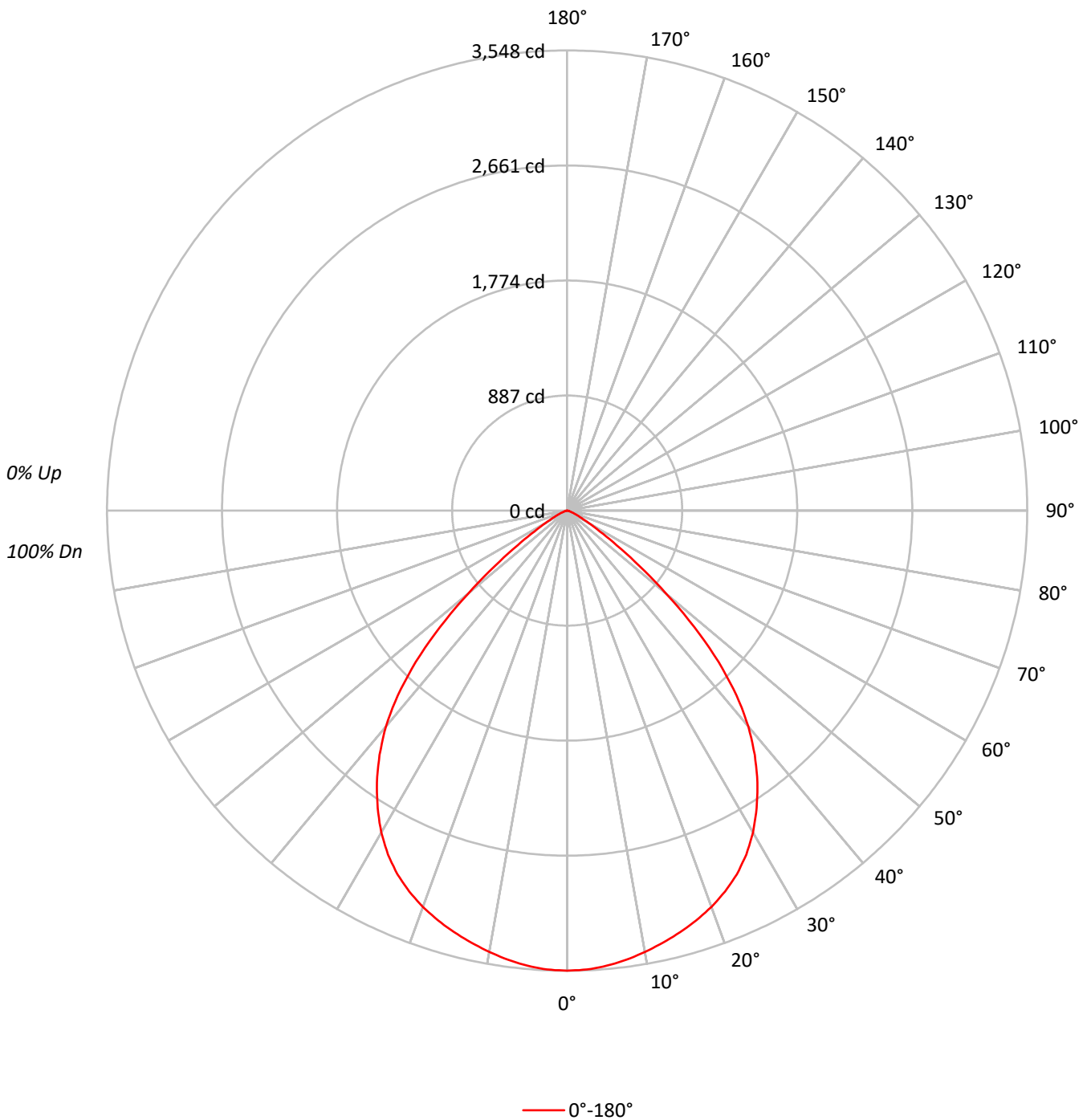
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109392
5°	109030
10°	108202
15°	107441
20°	106712
25°	105308
30°	102056
35°	96290
40°	87508
45°	72007
50°	47992
55°	25004
60°	11786
65°	6180
70°	3083
75°	2145
80°	1598
85°	1274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	5.5
10°-20°	949.9	15.5
20°-30°	1421.0	23.2
30°-40°	1589.4	26.0
40°-50°	1246.9	20.4
50°-60°	455.0	7.4
60°-70°	92.8	1.5
70°-80°	19.9	0.3
80°-90°	4.2	0.1
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°	2704.9	44.2
0°-40°	4294.3	70.2
0°-60°	5996.1	98.1
0°-90°	6112.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6112.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3548	
5°	3522	334
15°	3366	950
25°	3095	1421
35°	2558	1589
45°	1651	1247
55°	465	455
65°	85	93
75°	18	20
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3547.5
2.5°	3542.1
5°	3522.3
7.5°	3493.5
10°	3455.6
12.5°	3412.3
15°	3365.5
17.5°	3313.2
20°	3251.9
22.5°	3179.8
25°	3095.1
27.5°	2990.5
30°	2866.2
32.5°	2720.1
35°	2557.9
37.5°	2375.8
40°	2173.9
42.5°	1934.2
45°	1651.2
47.5°	1332.1
50°	1000.4
52.5°	701.2
55°	465.1
57.5°	297.4
60°	191.1
62.5°	126.2
65°	84.7
67.5°	54.1
70°	34.2
72.5°	23.4
75°	18.0
77.5°	12.6
80°	9.0
82.5°	5.4
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)