

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: P245765

Luminaire Tested: **LSR8B50D010 EC8B50840 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245765
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 EC8B50840 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5417.1 lumens
Efficiency: N/A
Efficacy: 102.2 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

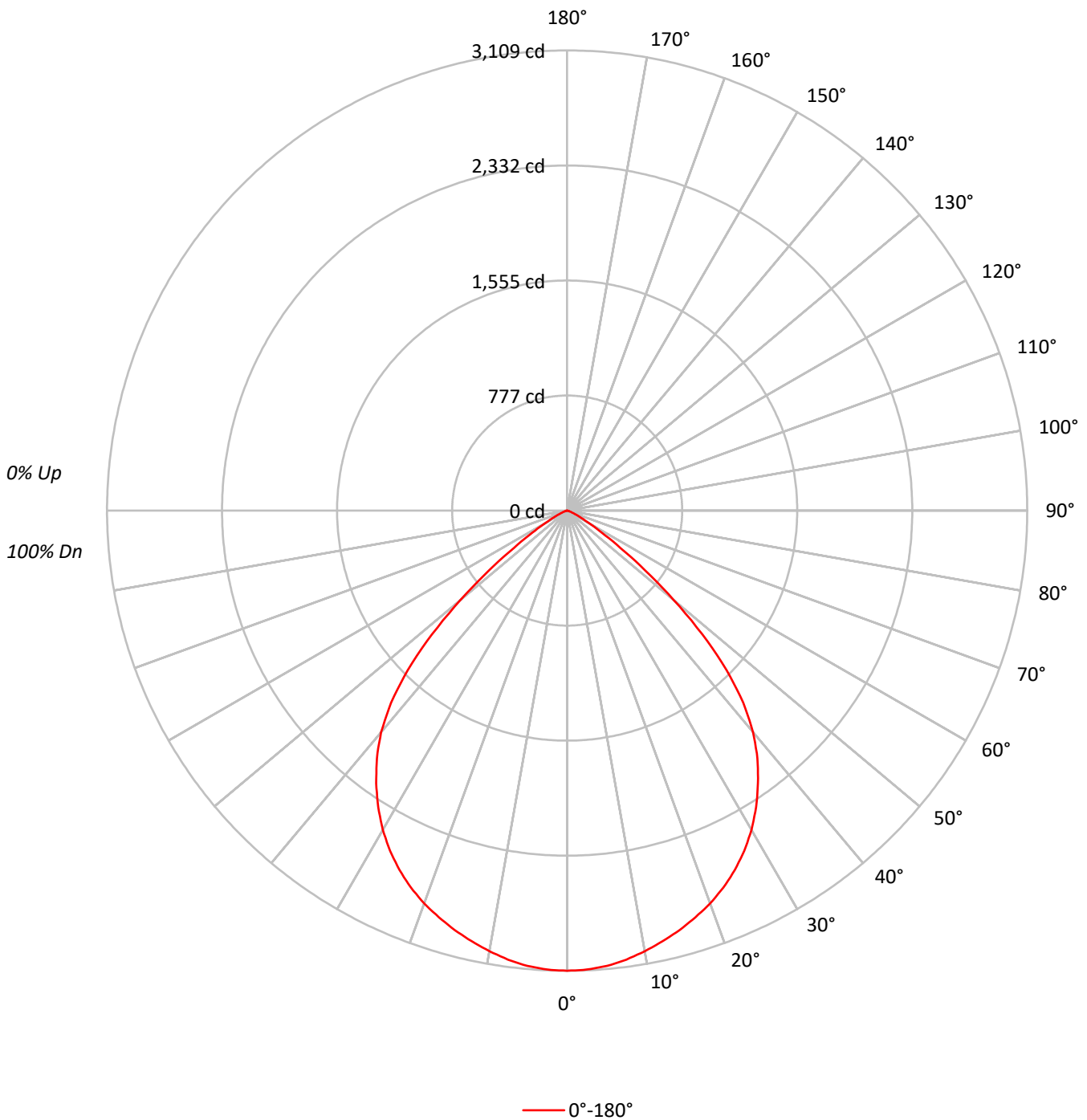
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245765

CATALOG NUMBER: LSR8B50D010 EC8B50840 8LBS0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245765

CATALOG NUMBER: LSR8B50D010 EC8B50840 8LBS0GPH

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°	95879
5°	95589
10°	94647
15°	93675
20°	92697
25°	91178
30°	88686
35°	84643
40°	78700
45°	66447
50°	45114
55°	23569
60°	10577
65°	5159
70°	2074
75°	1263
80°	941
85°	637



TEST NUMBER: P245765

CATALOG NUMBER: LSR8B50D010 EC8B50840 8LBS0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	5.4
10°-20°	827.7	15.3
20°-30°	1232.1	22.7
30°-40°	1400.6	25.9
40°-50°	1145.3	21.1
50°-60°	426.9	7.9
60°-70°	78.1	1.4
70°-80°	12.1	0.2
80°-90°	1.7	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°	2352.4	43.4
0°-40°	3753.0	69.3
0°-60°	5325.2	98.3
0°-90°	5417.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5417.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3109	
5°	3088	293
15°	2934	828
25°	2680	1232
35°	2248	1401
45°	1524	1145
55°	438	427
65°	71	78
75°	11	12
85°	2	2
90°	0	



TEST NUMBER: P245765

CATALOG NUMBER: LSR8B50D010 EC8B50840 8LBS0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3109.3
2.5°	3104.0
5°	3088.1
7.5°	3059.9
10°	3022.7
12.5°	2980.3
15°	2934.3
17.5°	2881.3
20°	2824.8
22.5°	2757.6
25°	2679.8
27.5°	2591.4
30°	2490.7
32.5°	2375.8
35°	2248.5
37.5°	2112.4
40°	1955.1
42.5°	1760.6
45°	1523.7
47.5°	1239.1
50°	940.4
52.5°	662.9
55°	438.4
57.5°	275.8
60°	171.5
62.5°	109.6
65°	70.7
67.5°	40.7
70°	23.0
72.5°	14.1
75°	10.6
77.5°	7.1
80°	5.3
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)