

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: P251300

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251300
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: LSR8B60D010 EC8B60940 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5502.0 lumens
Efficiency: N/A
Efficacy: 92.5 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

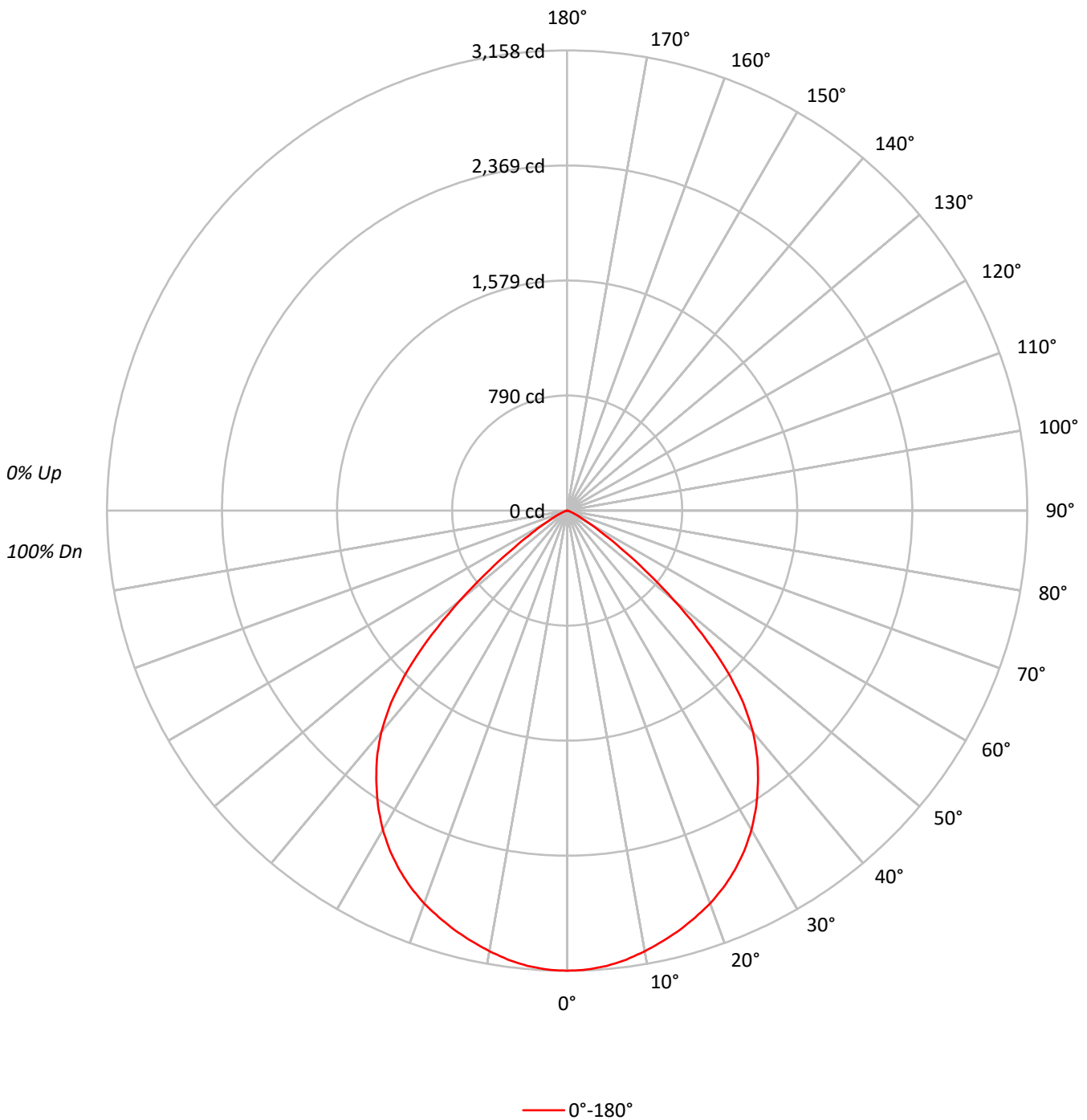
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251300

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBS0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P251300

CATALOG NUMBER: LSR8B60D010 EC8B60940 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°	97384
5°	97091
10°	96134
15°	95147
20°	94150
25°	92610
30°	90074
35°	85972
40°	79932
45°	67489
50°	45824
55°	23940
60°	10743
65°	5239
70°	2101
75°	1287
80°	959
85°	637



TEST NUMBER: P251300

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBS0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	5.4
10°-20°	840.7	15.3
20°-30°	1251.4	22.7
30°-40°	1422.5	25.9
40°-50°	1163.2	21.1
50°-60°	433.6	7.9
60°-70°	79.3	1.4
70°-80°	12.3	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°	2389.4	43.4
0°-40°	3811.9	69.3
0°-60°	5408.8	98.3
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3158	
5°	3137	297
15°	2980	841
25°	2722	1251
35°	2284	1423
45°	1548	1163
55°	445	434
65°	72	79
75°	11	12
85°	2	2
90°	0	



TEST NUMBER: P251300

CATALOG NUMBER: LSR8B60D010 EC8B60940 8LBS0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3158.1
2.5°	3152.8
5°	3136.6
7.5°	3107.9
10°	3070.2
12.5°	3027.1
15°	2980.4
17.5°	2926.5
20°	2869.1
22.5°	2800.9
25°	2721.9
27.5°	2632.1
30°	2529.7
32.5°	2413.0
35°	2283.8
37.5°	2145.5
40°	1985.7
42.5°	1788.2
45°	1547.6
47.5°	1258.6
50°	955.2
52.5°	673.3
55°	445.3
57.5°	280.1
60°	174.2
62.5°	111.3
65°	71.8
67.5°	41.3
70°	23.3
72.5°	14.4
75°	10.8
77.5°	7.2
80°	5.4
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)