

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: P245597

Luminaire Tested: **LSR8B50D010 EC8B509730 8LBW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-46)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B509730 8LBW0GPH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

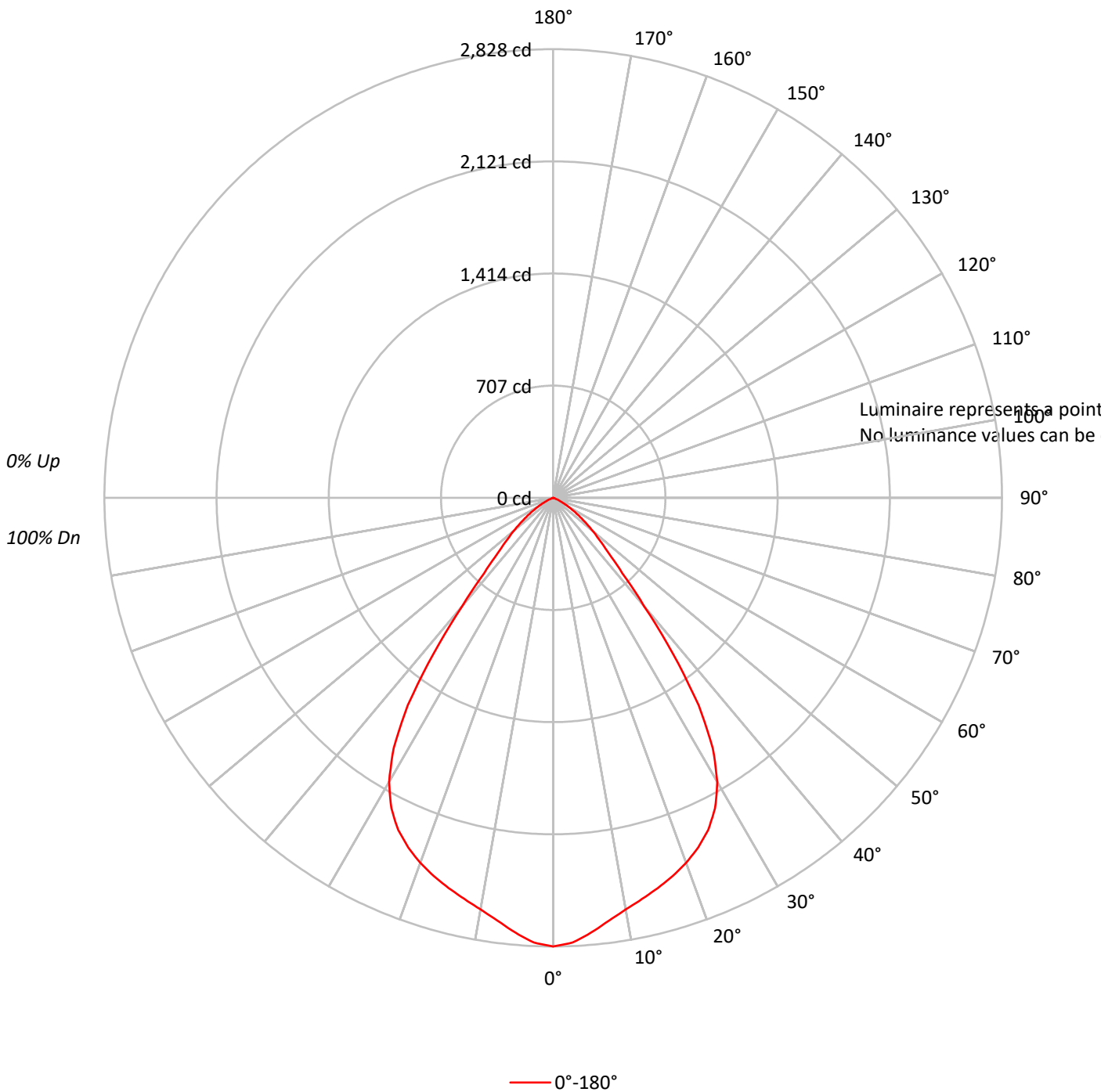
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245597

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245597

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBW0GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	113	110	107	104	110	108	105	103	103	101	100	100	100	98	97	97	96	95	94	94	92	92	92	92
2	106	101	96	92	104	99	95	91	96	92	89	89	93	90	87	87	90	88	86	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	81	86	82	79	79	84	81	78	78	76	76	76	76
4	94	85	79	74	92	84	78	74	82	77	73	73	80	76	72	72	78	74	71	71	70	70	70	70
5	88	79	72	67	87	78	72	67	76	71	66	66	74	70	66	66	73	69	65	65	64	64	64	64
6	83	73	66	61	82	72	66	61	71	65	61	61	69	64	60	60	68	63	60	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	56	65	59	56	56	63	59	55	55	54	54	54	54
8	74	63	56	52	73	63	56	52	61	56	51	51	60	55	51	51	59	55	51	51	49	49	49	49
9	70	59	52	48	69	58	52	48	57	52	48	48	57	51	47	47	56	51	47	47	46	46	46	46
10	66	55	49	44	65	55	49	44	54	48	44	44	53	48	44	44	52	47	44	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P245597

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBW0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.8	7.1
10°-20°	718.6	19.8
20°-30°	1055.2	29.1
30°-40°	956.6	26.3
40°-50°	409.5	11.3
50°-60°	181.2	5.0
60°-70°	48.3	1.3
70°-80°	3.8	0.1
80°-90°	0.2	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°	2032.5	56.0
0°-40°	2989.1	82.3
0°-60°	3579.7	98.6
0°-90°	3632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2828	
5°	2751	259
15°	2546	719
25°	2310	1055
35°	1597	957
45°	494	409
55°	197	181
65°	45	48
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P245597

CATALOG NUMBER: LSR8B50D010 EC8B509730 8LBW0GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2828.1
2.5°	2805.8
5°	2750.7
7.5°	2687.8
10°	2634.0
12.5°	2589.4
15°	2546.2
17.5°	2500.3
20°	2447.8
22.5°	2386.2
25°	2310.2
27.5°	2207.9
30°	2067.6
32.5°	1871.0
35°	1596.9
37.5°	1237.7
40°	891.6
42.5°	643.8
45°	494.3
47.5°	398.6
50°	323.8
52.5°	257.0
55°	196.7
57.5°	146.8
60°	107.5
62.5°	74.7
65°	44.6
67.5°	19.7
70°	9.2
72.5°	5.2
75°	2.6
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)