

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: P246591

Luminaire Tested: **LSR8B30D010 EC8B30950 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30950 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2908.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

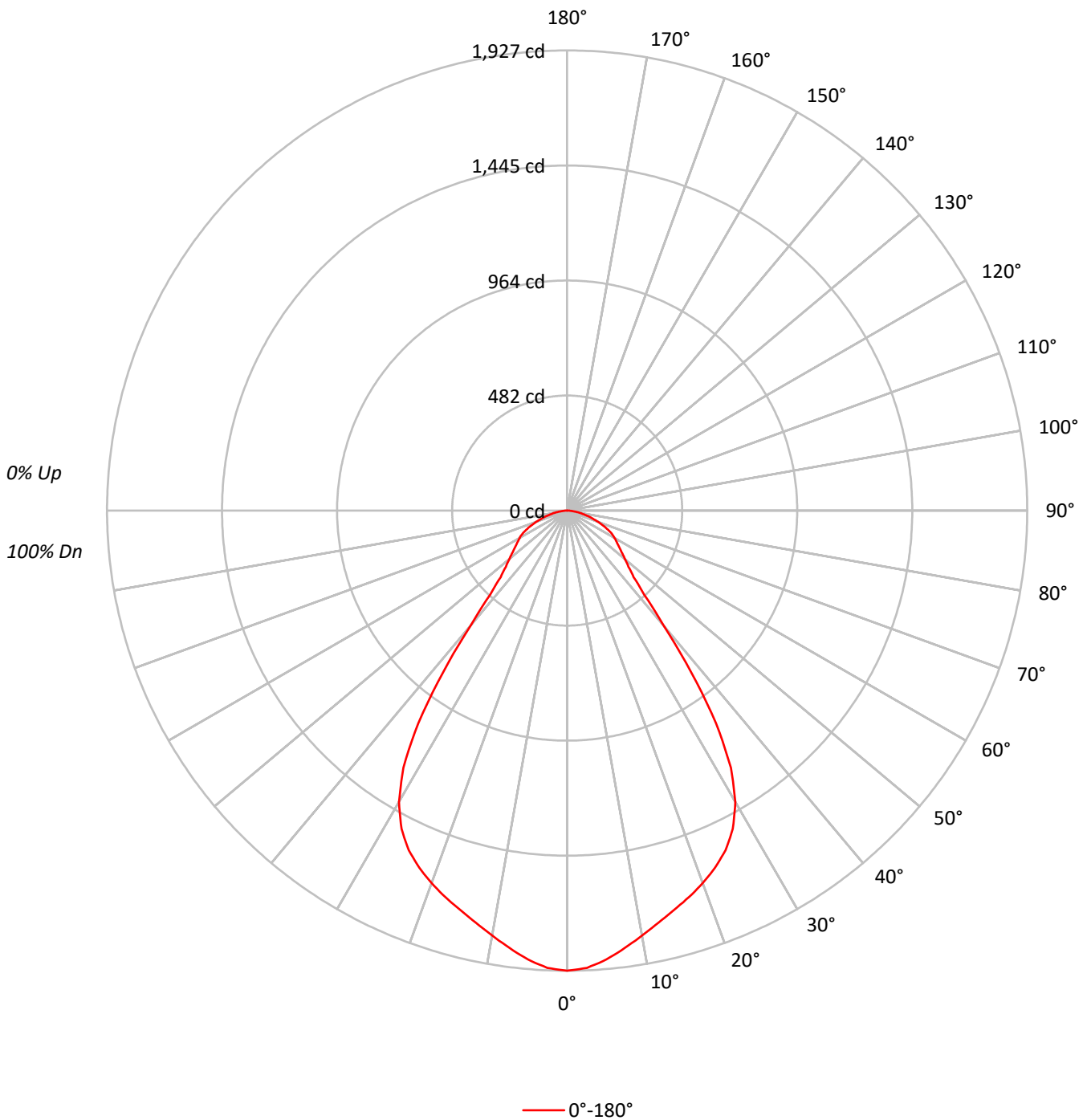
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246591

CATALOG NUMBER: LSR8B30D010 EC8B30950 8LBW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246591

CATALOG NUMBER: LSR8B30D010 EC8B30950 8LBW0MW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	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	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59415
5°	58413
10°	56578
15°	55267
20°	54480
25°	53411
30°	50148
35°	40934
40°	25360
45°	17173
50°	15131
55°	14279
60°	14166
65°	13732
70°	12307
75°	10663
80°	9003
85°	7182



TEST NUMBER: P246591

CATALOG NUMBER: LSR8B30D010 EC8B30950 8LBW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.5	6.1
10°-20°	489.0	16.8
20°-30°	717.1	24.7
30°-40°	655.5	22.5
40°-50°	324.5	11.2
50°-60°	240.0	8.3
60°-70°	184.4	6.3
70°-80°	96.1	3.3
80°-90°	23.9	0.8
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°	1383.5	47.6
0°-40°	2039.0	70.1
0°-60°	2603.4	89.5
0°-90°	2908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1927	
5°	1887	178
15°	1731	489
25°	1570	717
35°	1087	655
45°	394	324
55°	266	240
65°	188	184
75°	90	96
85°	20	24
90°	0	



TEST NUMBER: P246591

CATALOG NUMBER: LSR8B30D010 EC8B30950 8LBW0MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1926.8
2.5°	1916.6
5°	1887.1
7.5°	1847.4
10°	1806.9
12.5°	1767.2
15°	1731.2
17.5°	1697.1
20°	1660.2
22.5°	1618.7
25°	1569.8
27.5°	1502.5
30°	1408.4
32.5°	1276.5
35°	1087.4
37.5°	853.2
40°	630.0
42.5°	476.8
45°	393.8
47.5°	348.6
50°	315.4
52.5°	288.7
55°	265.6
57.5°	246.3
60°	229.7
62.5°	212.1
65°	188.2
67.5°	162.3
70°	136.5
72.5°	112.5
75°	89.5
77.5°	69.2
80°	50.7
82.5°	35.0
85°	20.3
87.5°	7.4
90°	0.0

(END OF REPORT)