

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: P247722

Luminaire Tested: **LSR8B80D010 EC8B80830 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80830 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8910.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

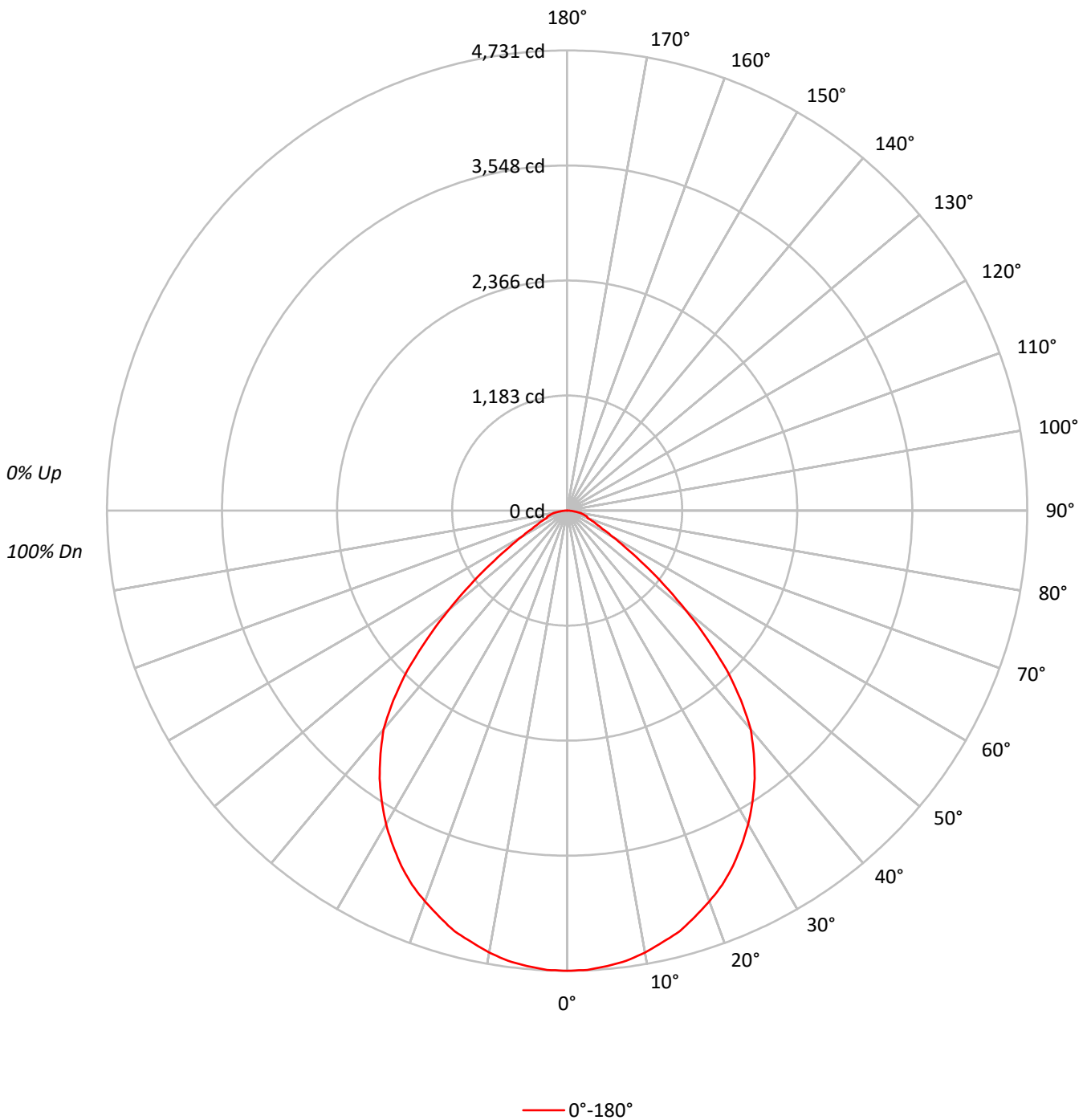
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145896
5°	145531
10°	144442
15°	142937
20°	140302
25°	137192
30°	132582
35°	126556
40°	118182
45°	101234
50°	76118
55°	51595
60°	33568
65°	24626
70°	20115
75°	22804
80°	23902
85°	19389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.2	5.0
10°-20°	1259.5	14.1
20°-30°	1853.0	20.8
30°-40°	2093.0	23.5
40°-50°	1762.7	19.8
50°-60°	889.3	10.0
60°-70°	348.4	3.9
70°-80°	196.7	2.2
80°-90°	61.2	0.7
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°	3558.7	39.9
0°-40°	5651.7	63.4
0°-60°	8303.7	93.2
0°-90°	8910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8910.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4731	
5°	4702	446
15°	4477	1260
25°	4032	1853
35°	3362	2093
45°	2321	1763
55°	960	889
65°	338	348
75°	191	197
85°	55	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4731.3
2.5°	4726.5
5°	4701.5
7.5°	4668.8
10°	4613.0
12.5°	4543.8
15°	4477.4
17.5°	4376.5
20°	4275.5
22.5°	4165.9
25°	4032.2
27.5°	3881.2
30°	3723.5
32.5°	3546.6
35°	3361.9
37.5°	3150.4
40°	2935.9
42.5°	2643.6
45°	2321.4
47.5°	1952.1
50°	1586.7
52.5°	1256.9
55°	959.7
57.5°	723.2
60°	544.3
62.5°	415.4
65°	337.5
67.5°	275.0
70°	223.1
72.5°	215.4
75°	191.4
77.5°	159.6
80°	134.6
82.5°	85.6
85°	54.8
87.5°	17.3
90°	0.0

(END OF REPORT)