

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: P247734

Luminaire Tested: **LSR8B80D010 EC8B80850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247734
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 EC8B80850 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9384.9 lumens
Efficiency: N/A
Efficacy: 126.1 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

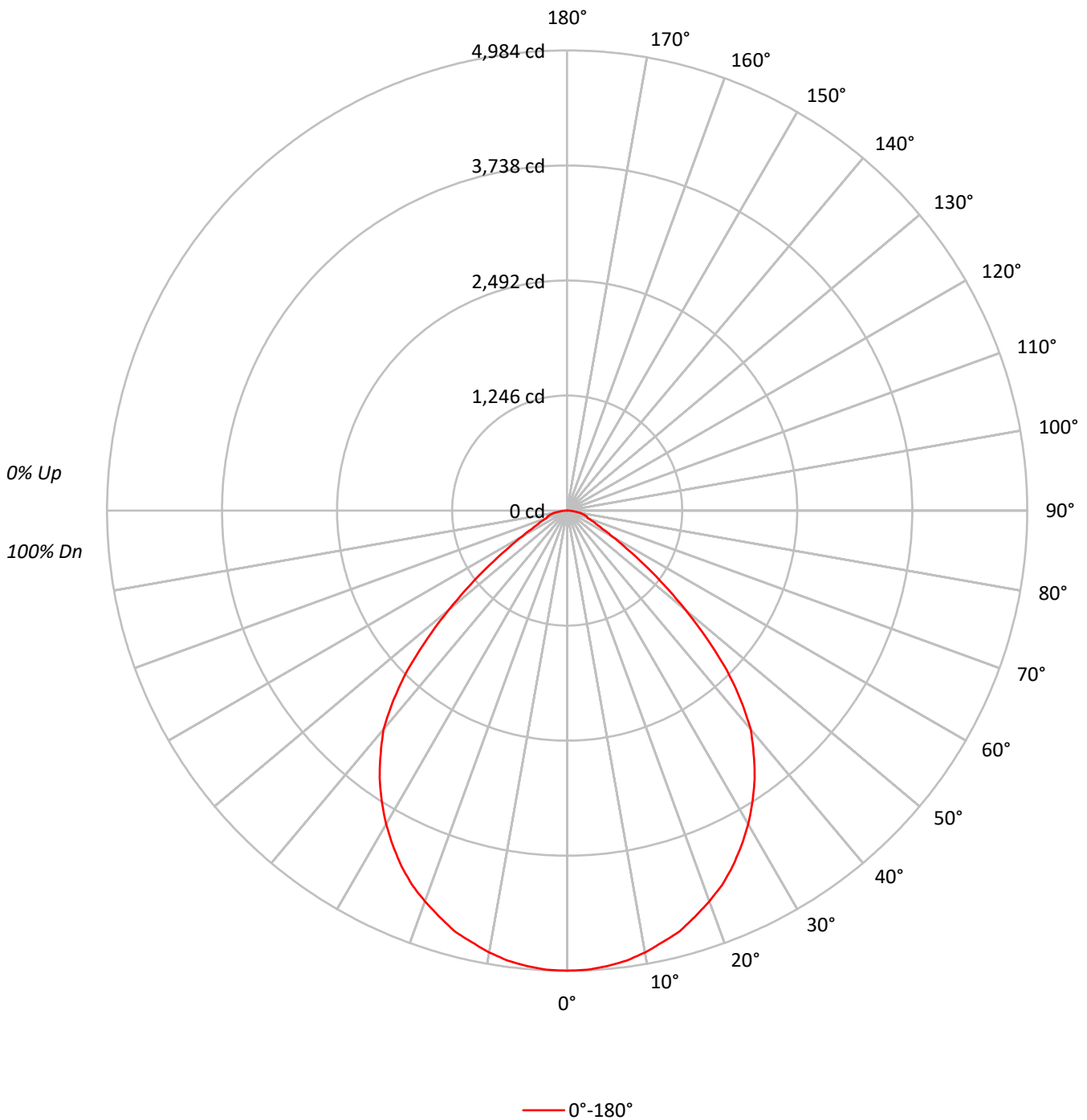
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	153673
5°	153288
10°	152142
15°	150557
20°	147781
25°	144504
30°	139650
35°	133302
40°	124481
45°	106633
50°	80177
55°	54347
60°	35357
65°	25939
70°	21187
75°	24019
80°	25181
85°	20415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.9	5.0
10°-20°	1326.7	14.1
20°-30°	1951.8	20.8
30°-40°	2204.6	23.5
40°-50°	1856.6	19.8
50°-60°	936.7	10.0
60°-70°	367.0	3.9
70°-80°	207.2	2.2
80°-90°	64.4	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°	3748.4	39.9
0°-40°	5953.0	63.4
0°-60°	8746.3	93.2
0°-90°	9384.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9384.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4984	
5°	4952	470
15°	4716	1327
25°	4247	1952
35°	3541	2205
45°	2445	1857
55°	1011	937
65°	356	367
75°	202	207
85°	58	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4983.5
2.5°	4978.5
5°	4952.1
7.5°	4917.7
10°	4858.9
12.5°	4786.0
15°	4716.1
17.5°	4609.8
20°	4503.4
22.5°	4387.9
25°	4247.1
27.5°	4088.1
30°	3922.0
32.5°	3735.6
35°	3541.1
37.5°	3318.3
40°	3092.4
42.5°	2784.5
45°	2445.2
47.5°	2056.2
50°	1671.3
52.5°	1323.9
55°	1010.9
57.5°	761.7
60°	573.3
62.5°	437.6
65°	355.5
67.5°	289.7
70°	235.0
72.5°	226.9
75°	201.6
77.5°	168.1
80°	141.8
82.5°	90.1
85°	57.7
87.5°	18.2
90°	0.0

(END OF REPORT)