

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: P247737

Luminaire Tested: **LSR8B120D010 EC8B120850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247737
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: LSR8B120D010 EC8B120850 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: 13825.0 lumens
Efficiency: N/A
Efficacy: 116.9 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

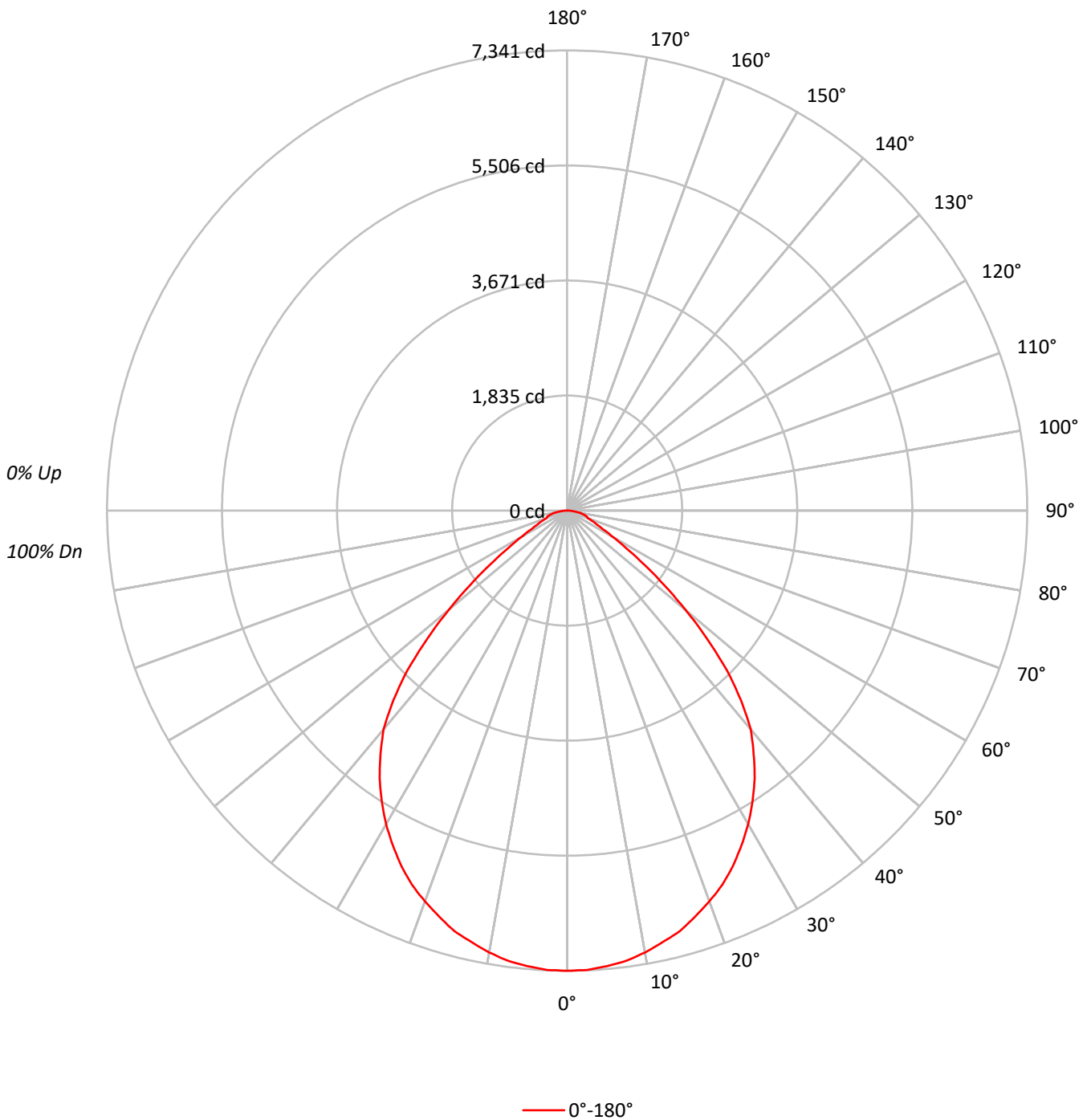
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	226376
5°	225810
10°	224122
15°	221786
20°	217697
25°	212872
30°	205718
35°	196367
40°	183373
45°	157080
50°	118109
55°	80056
60°	52083
65°	38212
70°	31213
75°	35373
80°	37096
85°	30109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	5.0
10°-20°	1954.3	14.1
20°-30°	2875.2	20.8
30°-40°	3247.6	23.5
40°-50°	2735.0	19.8
50°-60°	1379.9	10.0
60°-70°	540.5	3.9
70°-80°	305.2	2.2
80°-90°	95.0	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
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0°-30°	5521.8	39.9
0°-40°	8769.4	63.4
0°-60°	12884.2	93.2
0°-90°	13825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7341	
5°	7295	692
15°	6947	1954
25°	6256	2875
35°	5216	3248
45°	3602	2735
55°	1489	1380
65°	524	541
75°	297	305
85°	85	95
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7341.2
2.5°	7333.8
5°	7295.0
7.5°	7244.2
10°	7157.7
12.5°	7050.3
15°	6947.3
17.5°	6790.6
20°	6634.0
22.5°	6463.9
25°	6256.5
27.5°	6022.2
30°	5777.5
32.5°	5502.9
35°	5216.4
37.5°	4888.2
40°	4555.4
42.5°	4101.8
45°	3602.0
47.5°	3029.0
50°	2462.0
52.5°	1950.2
55°	1489.1
57.5°	1122.1
60°	844.5
62.5°	644.6
65°	523.7
67.5°	426.7
70°	346.2
72.5°	334.2
75°	296.9
77.5°	247.7
80°	208.9
82.5°	132.8
85°	85.1
87.5°	26.9
90°	0.0

(END OF REPORT)