

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: P247757

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247757
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 EC8B120950 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 12586.0 lumens
Efficiency: N/A
Efficacy: 106.4 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

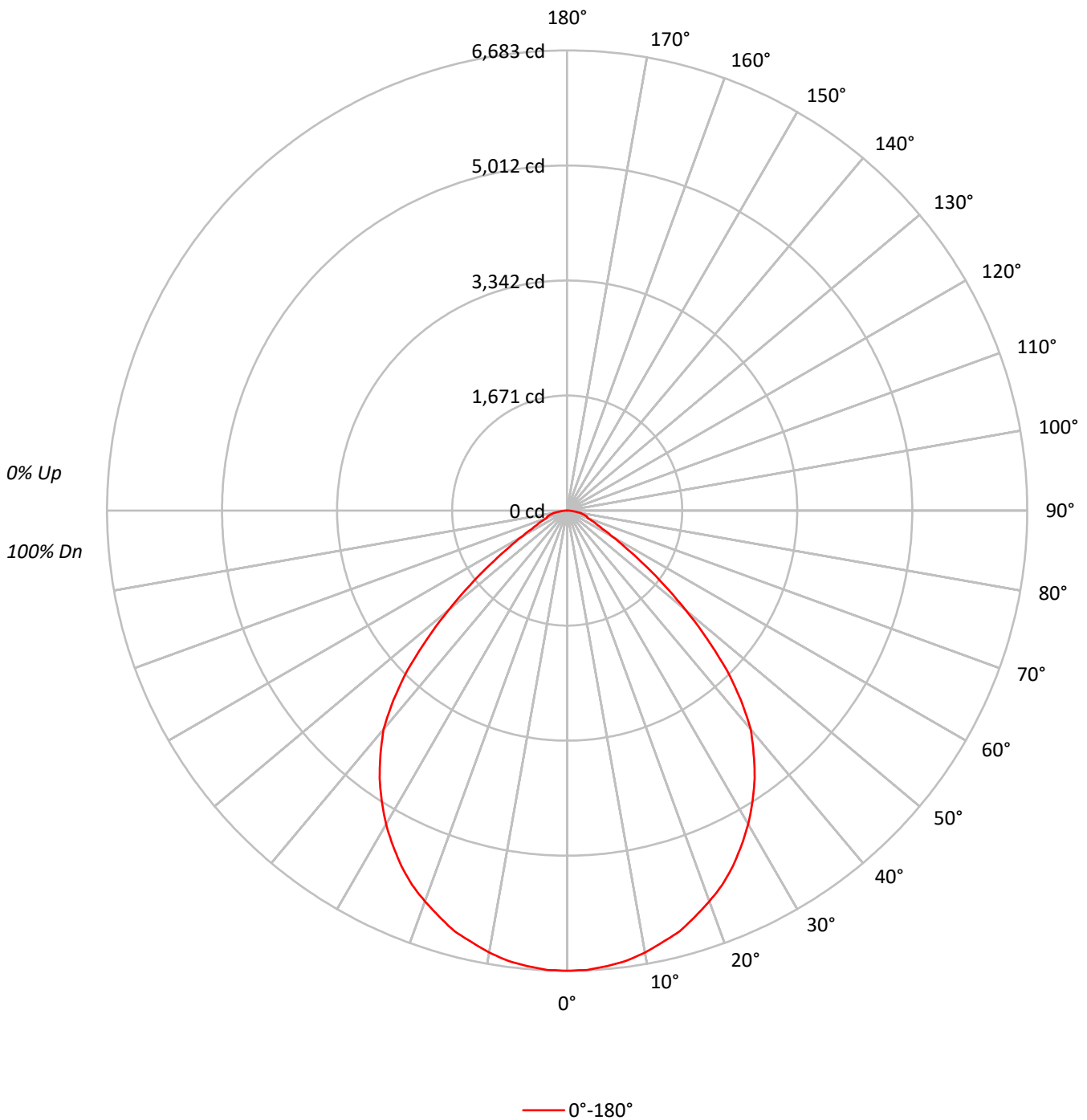
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	206088
5°	205572
10°	204035
15°	201910
20°	198185
25°	193791
30°	187281
35°	178768
40°	166941
45°	143003
50°	107526
55°	72884
60°	47420
65°	34790
70°	28409
75°	32204
80°	33776
85°	27385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.2	5.0
10°-20°	1779.2	14.1
20°-30°	2617.5	20.8
30°-40°	2956.5	23.5
40°-50°	2489.9	19.8
50°-60°	1256.2	10.0
60°-70°	492.1	3.9
70°-80°	277.9	2.2
80°-90°	86.5	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°	5026.9	39.9
0°-40°	7983.4	63.4
0°-60°	11729.5	93.2
0°-90°	12586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12586.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6683	
5°	6641	630
15°	6325	1779
25°	5696	2618
35°	4749	2957
45°	3279	2490
55°	1356	1256
65°	477	492
75°	270	278
85°	77	86
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6683.3
2.5°	6676.5
5°	6641.2
7.5°	6595.0
10°	6516.2
12.5°	6418.4
15°	6324.7
17.5°	6182.1
20°	6039.4
22.5°	5884.6
25°	5695.7
27.5°	5482.5
30°	5259.7
32.5°	5009.8
35°	4748.9
37.5°	4450.1
40°	4147.2
42.5°	3734.2
45°	3279.2
47.5°	2757.5
50°	2241.4
52.5°	1775.4
55°	1355.7
57.5°	1021.5
60°	768.9
62.5°	586.8
65°	476.8
67.5°	388.5
70°	315.1
72.5°	304.3
75°	270.3
77.5°	225.5
80°	190.2
82.5°	120.9
85°	77.4
87.5°	24.5
90°	0.0

(END OF REPORT)