

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: P247721

Luminaire Tested: **LSR8B120D010 EC8B120827 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247721
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 EC8B120827 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12804.1 lumens
Efficiency: N/A
Efficacy: 108.2 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

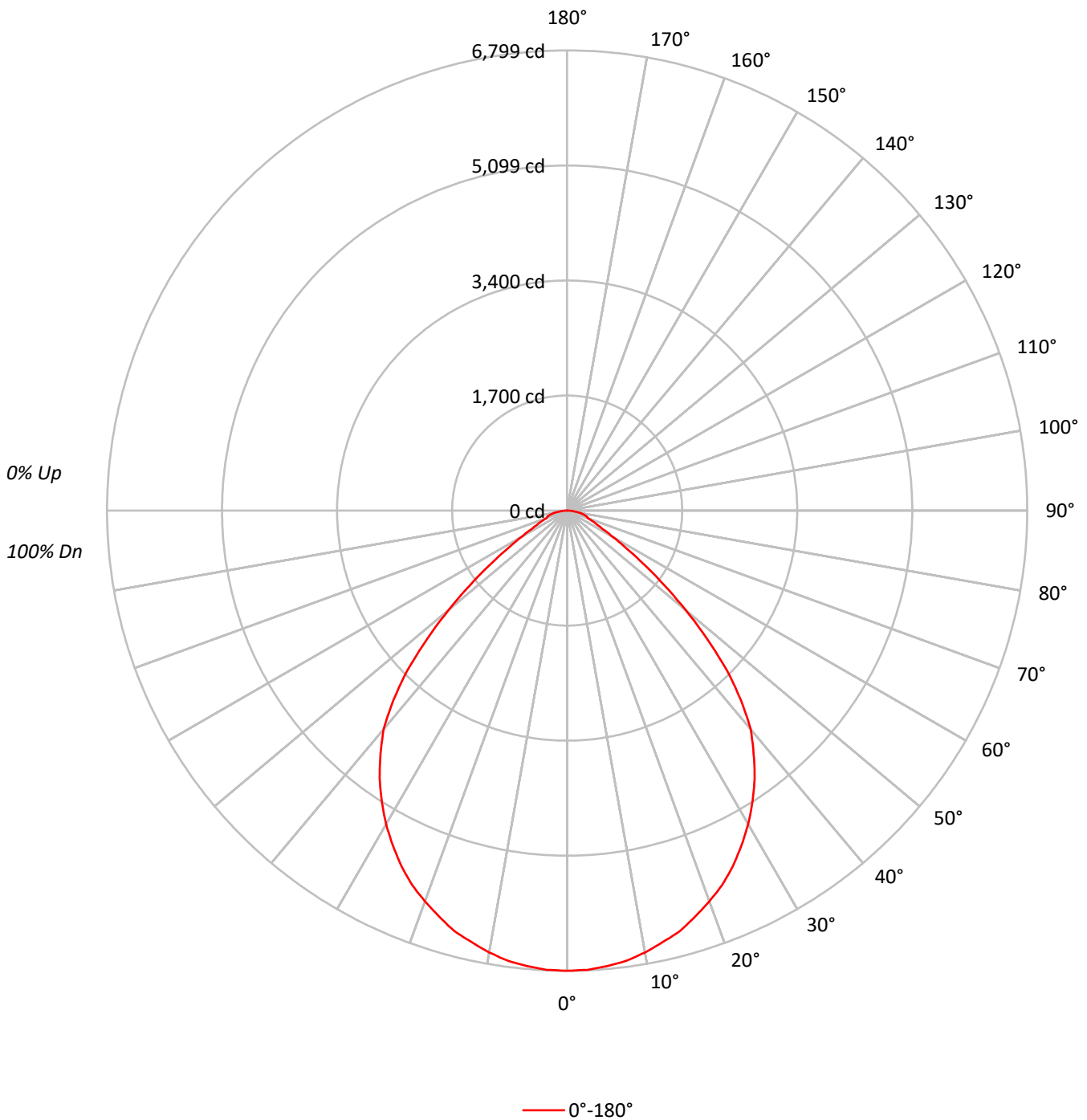
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	209659
5°	209132
10°	207570
15°	205406
20°	201617
25°	197149
30°	190524
35°	181867
40°	169831
45°	145480
50°	109388
55°	74148
60°	48240
65°	35395
70°	28905
75°	32764
80°	34362
85°	27880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.1	5.0
10°-20°	1810.0	14.1
20°-30°	2662.8	20.8
30°-40°	3007.7	23.5
40°-50°	2533.0	19.8
50°-60°	1278.0	10.0
60°-70°	500.6	3.9
70°-80°	282.7	2.2
80°-90°	88.0	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
0°-30°	5114.0	39.9
0°-40°	8121.7	63.4
0°-60°	11932.7	93.2
0°-90°	12804.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12804.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6799	
5°	6756	641
15°	6434	1810
25°	5794	2663
35°	4831	3008
45°	3336	2533
55°	1379	1278
65°	485	501
75°	275	283
85°	79	88
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6799.1
2.5°	6792.2
5°	6756.2
7.5°	6709.2
10°	6629.1
12.5°	6529.6
15°	6434.2
17.5°	6289.1
20°	6144.0
22.5°	5986.5
25°	5794.4
27.5°	5577.4
30°	5350.8
32.5°	5096.5
35°	4831.2
37.5°	4527.2
40°	4219.0
42.5°	3798.9
45°	3336.0
47.5°	2805.3
50°	2280.2
52.5°	1806.2
55°	1379.2
57.5°	1039.2
60°	782.2
62.5°	597.0
65°	485.1
67.5°	395.2
70°	320.6
72.5°	309.6
75°	275.0
77.5°	229.4
80°	193.5
82.5°	123.0
85°	78.8
87.5°	24.9
90°	0.0

(END OF REPORT)