

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: P247729

Luminaire Tested: **LSR8B120D010 EC8B120835 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247729
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 EC8B120835 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13649.0 lumens
Efficiency: N/A
Efficacy: 115.4 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

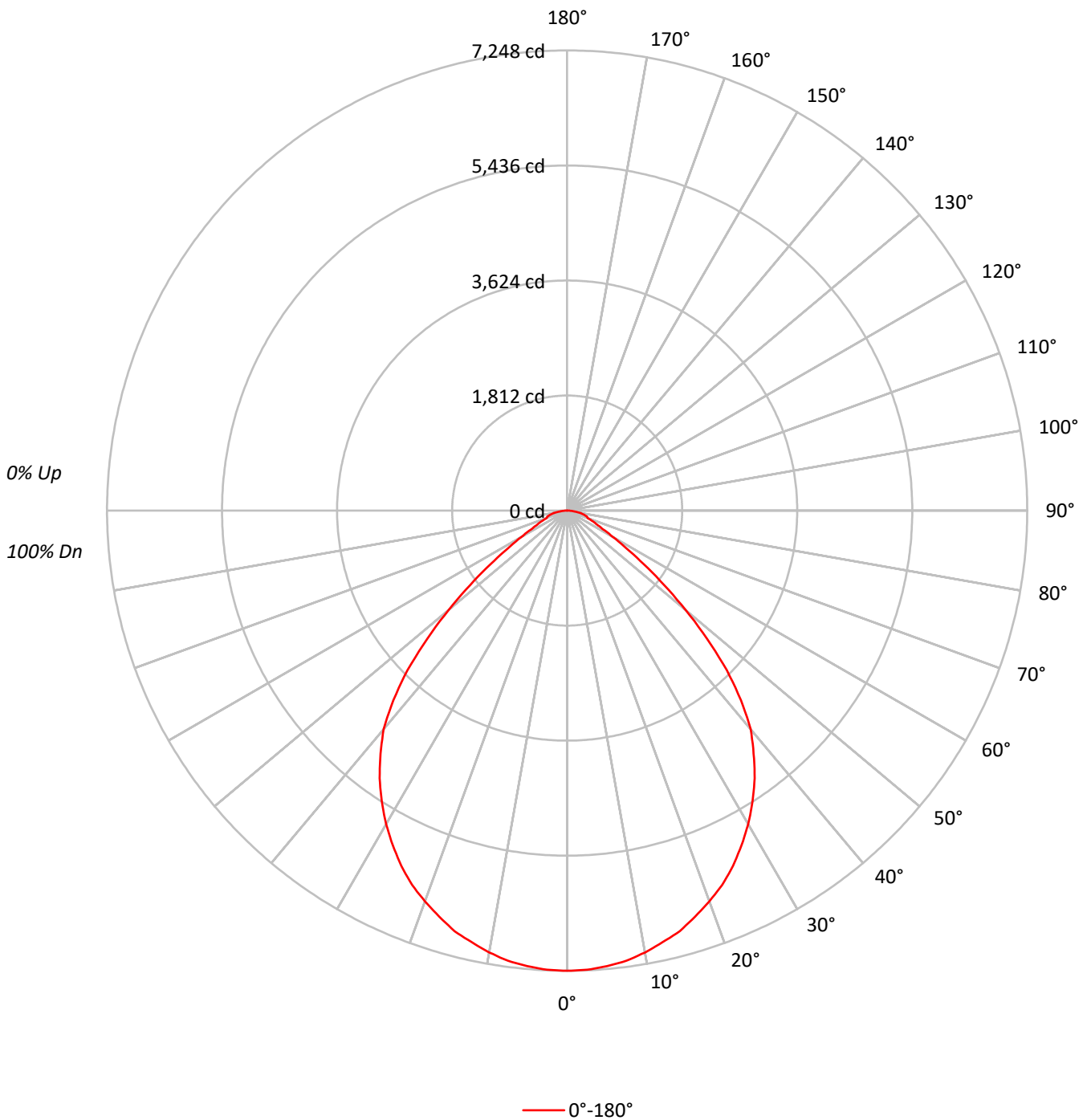
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78					78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69					69			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61					61			
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55					55			
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33					33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223495
5°	222935
10°	221269
15°	218964
20°	214924
25°	210160
30°	203097
35°	193868
40°	181038
45°	155078
50°	116607
55°	79040
60°	51423
65°	37730
70°	30816
75°	34933
80°	36617
85°	29720



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.5	5.0
10°-20°	1929.5	14.1
20°-30°	2838.6	20.8
30°-40°	3206.2	23.5
40°-50°	2700.2	19.8
50°-60°	1362.3	10.0
60°-70°	533.7	3.9
70°-80°	301.4	2.2
80°-90°	93.7	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°	5451.5	39.9
0°-40°	8657.7	63.4
0°-60°	12720.2	93.2
0°-90°	13649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7248	
5°	7202	683
15°	6859	1929
25°	6177	2839
35°	5150	3206
45°	3556	2700
55°	1470	1362
65°	517	534
75°	293	301
85°	84	94
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7247.8
2.5°	7240.4
5°	7202.1
7.5°	7152.0
10°	7066.6
12.5°	6960.5
15°	6858.9
17.5°	6704.2
20°	6549.5
22.5°	6381.6
25°	6176.8
27.5°	5945.5
30°	5703.9
32.5°	5432.9
35°	5150.0
37.5°	4826.0
40°	4497.4
42.5°	4049.6
45°	3556.1
47.5°	2990.4
50°	2430.7
52.5°	1925.4
55°	1470.2
57.5°	1107.8
60°	833.8
62.5°	636.4
65°	517.1
67.5°	421.3
70°	341.8
72.5°	330.0
75°	293.2
77.5°	244.5
80°	206.2
82.5°	131.1
85°	84.0
87.5°	26.5
90°	0.0

(END OF REPORT)