

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: P251009

Luminaire Tested: **LSR8B70D010 EC8B70827 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70827 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6870.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

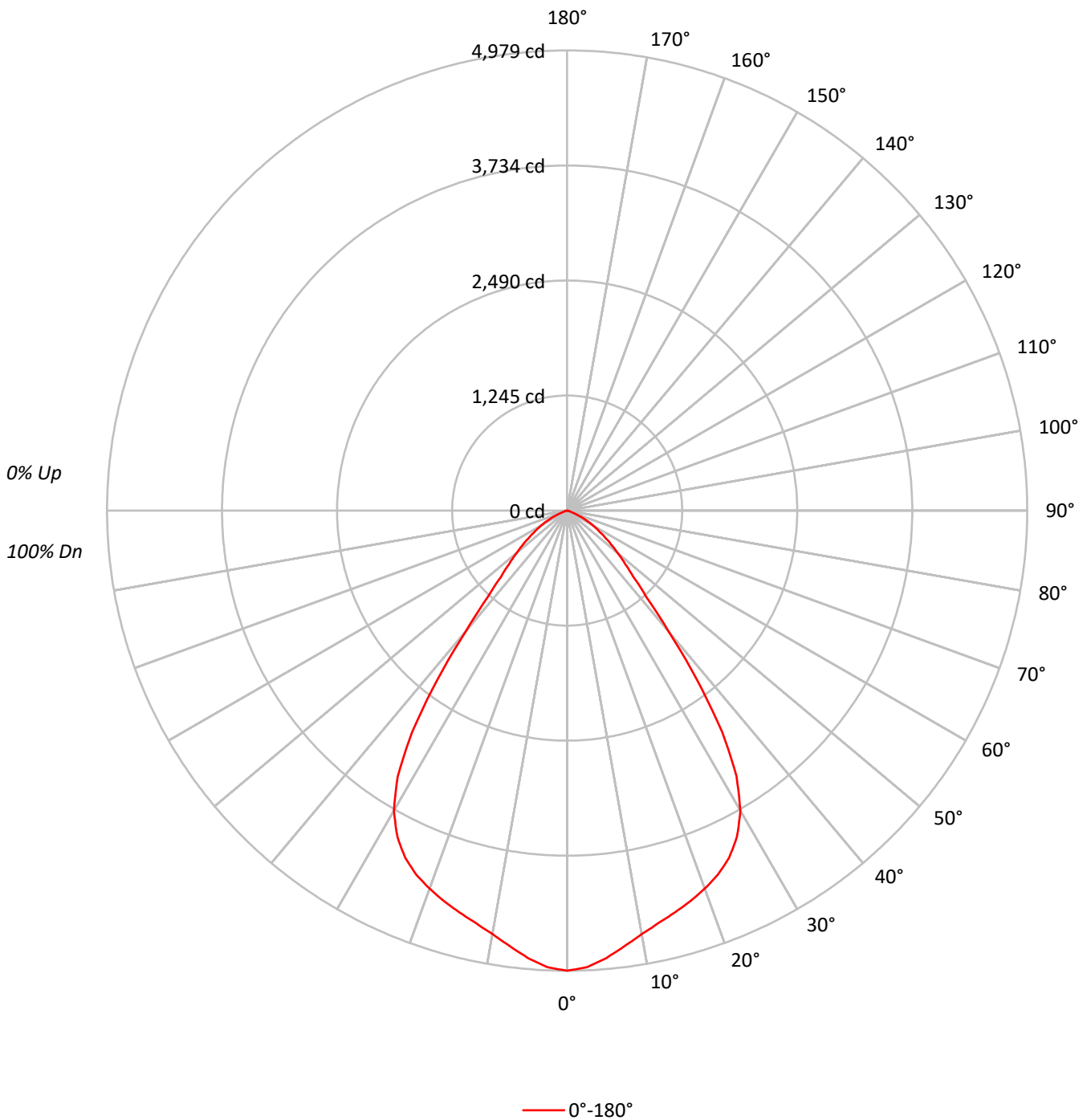
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153525
5°	150437
10°	145673
15°	143710
20°	142855
25°	141047
30°	133465
35°	110079
40°	68734
45°	44202
50°	34277
55°	26386
60°	19994
65°	12995
70°	5554
75°	2716
80°	1208
85°	814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.1	6.7
10°-20°	1271.8	18.5
20°-30°	1894.3	27.6
30°-40°	1759.2	25.6
40°-50°	830.9	12.1
50°-60°	446.4	6.5
60°-70°	179.3	2.6
70°-80°	28.2	0.4
80°-90°	2.8	0.0
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°	3623.2	52.7
0°-40°	5382.4	78.3
0°-60°	6659.8	96.9
0°-90°	6870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6870.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4979	
5°	4860	457
15°	4502	1272
25°	4146	1894
35°	2924	1759
45°	1014	831
55°	491	446
65°	178	179
75°	23	28
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4978.7
2.5°	4944.5
5°	4860.0
7.5°	4752.7
10°	4652.3
12.5°	4570.1
15°	4501.6
17.5°	4430.9
20°	4353.3
22.5°	4264.2
25°	4145.5
27.5°	3978.9
30°	3748.3
32.5°	3410.5
35°	2924.2
37.5°	2303.3
40°	1707.5
42.5°	1271.5
45°	1013.6
47.5°	846.9
50°	714.5
52.5°	595.8
55°	490.8
57.5°	399.5
60°	324.2
62.5°	253.4
65°	178.1
67.5°	105.0
70°	61.6
72.5°	36.5
75°	22.8
77.5°	13.7
80°	6.8
82.5°	4.6
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)