

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: P251491

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70850 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: 8473.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

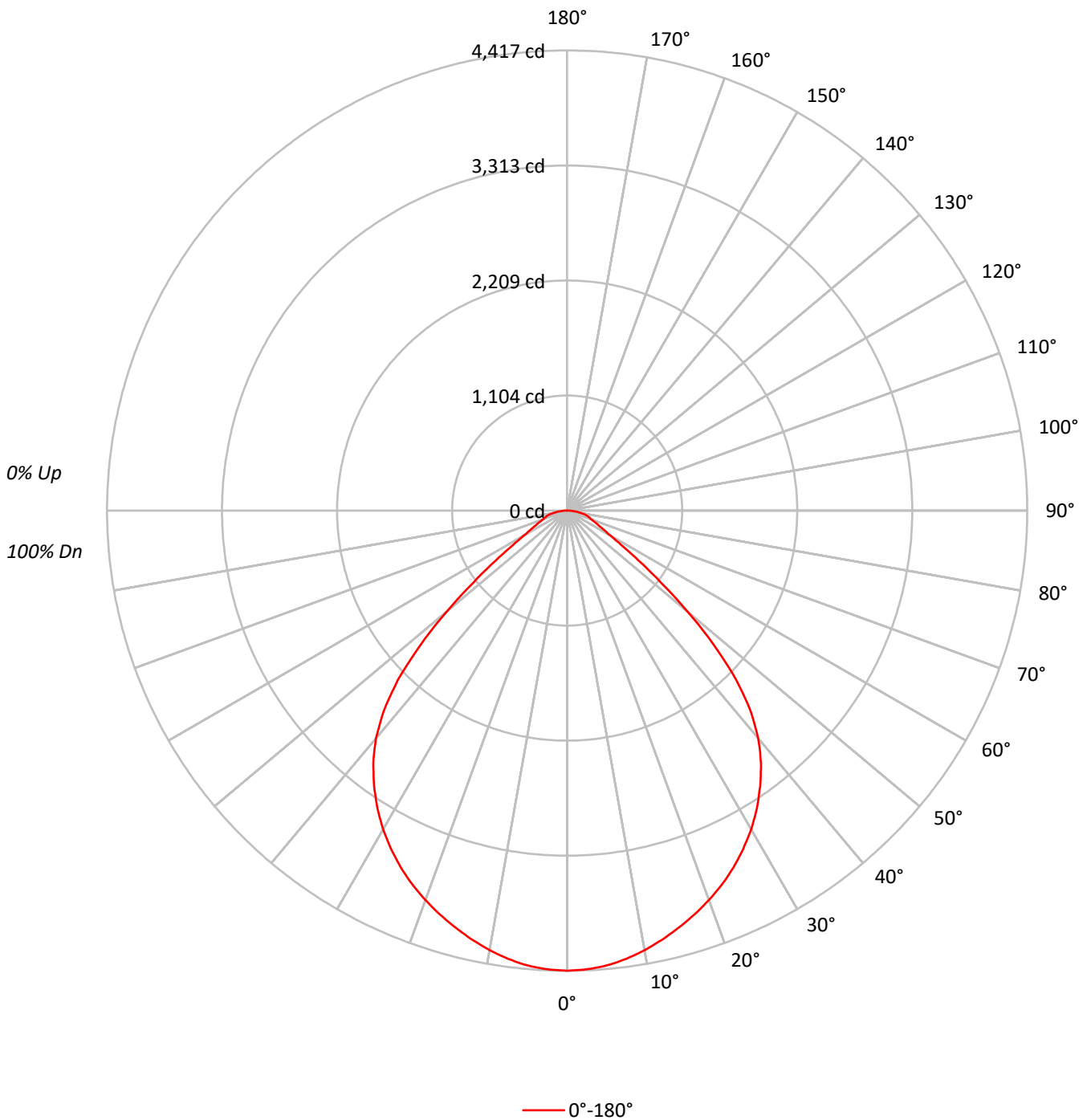
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136213
5°	135666
10°	134147
15°	132284
20°	130559
25°	128574
30°	125777
35°	121561
40°	114905
45°	100079
50°	72372
55°	45057
60°	29344
65°	24100
70°	22224
75°	24079
80°	24506
85°	21795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.2	4.9
10°-20°	1169.0	13.8
20°-30°	1738.9	20.5
30°-40°	2012.8	23.8
40°-50°	1727.1	20.4
50°-60°	794.2	9.4
60°-70°	337.2	4.0
70°-80°	208.9	2.5
80°-90°	69.7	0.8
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°	3323.1	39.2
0°-40°	5335.9	63.0
0°-60°	7857.2	92.7
0°-90°	8473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8473.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4417	
5°	4383	415
15°	4144	1169
25°	3779	1739
35°	3229	2013
45°	2295	1727
55°	838	794
65°	330	337
75°	202	209
85°	62	70
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4417.3
2.5°	4407.5
5°	4382.8
7.5°	4340.9
10°	4284.2
12.5°	4217.7
15°	4143.7
17.5°	4064.8
20°	3978.6
22.5°	3884.9
25°	3778.9
27.5°	3660.6
30°	3532.4
32.5°	3389.4
35°	3229.2
37.5°	3056.6
40°	2854.5
42.5°	2605.5
45°	2294.9
47.5°	1912.9
50°	1508.6
52.5°	1133.9
55°	838.1
57.5°	616.3
60°	475.8
62.5°	389.5
65°	330.3
67.5°	283.5
70°	246.5
72.5°	224.3
75°	202.1
77.5°	172.6
80°	138.0
82.5°	98.6
85°	61.6
87.5°	27.1
90°	0.0

(END OF REPORT)