

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: P251027

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251027
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 EC8B70950 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6753.0 lumens
Efficiency: N/A
Efficacy: 89.0 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

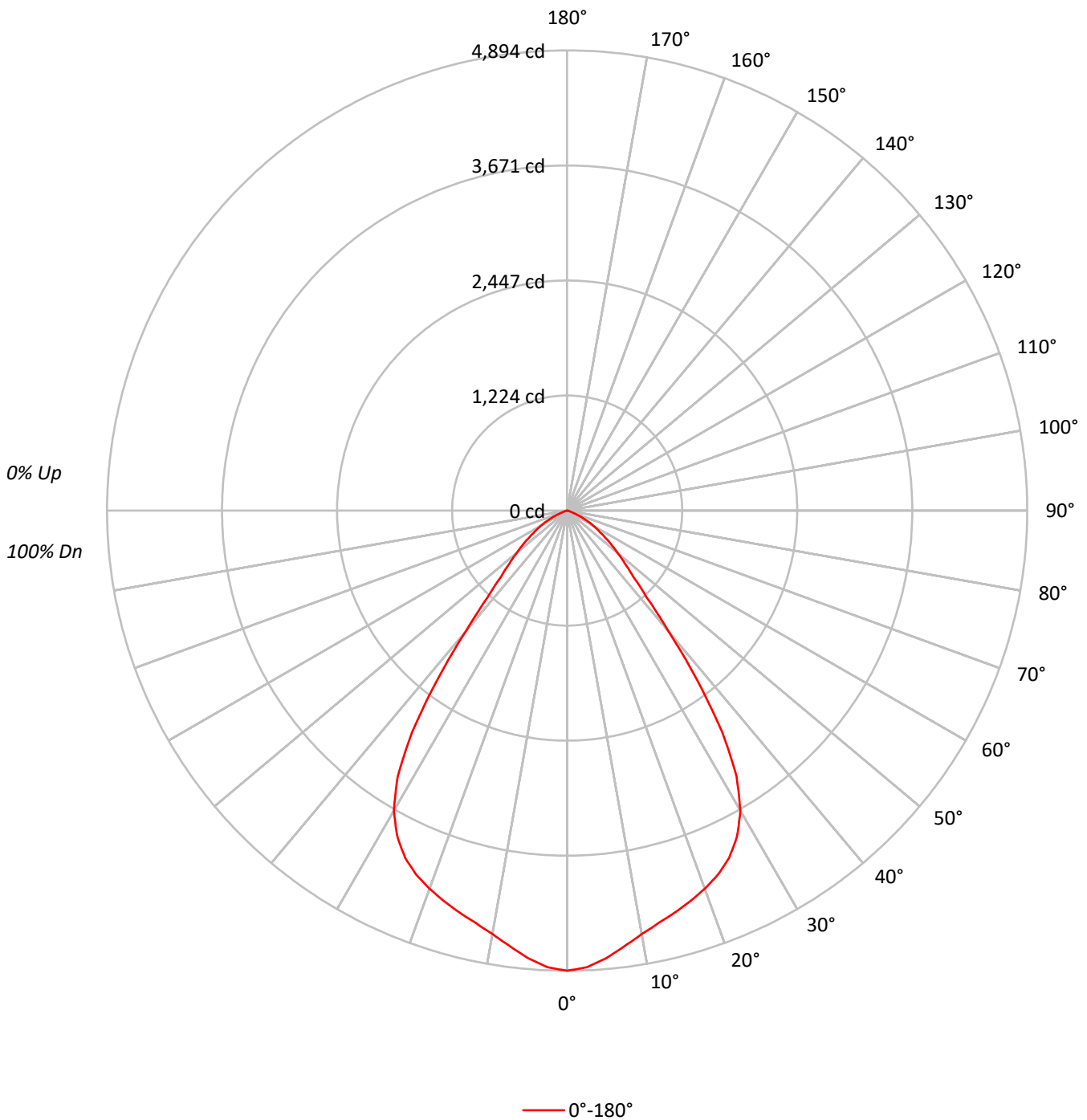
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	150910
5°	147877
10°	143193
15°	141264
20°	140420
25°	138645
30°	131193
35°	108204
40°	67562
45°	43448
50°	33691
55°	25935
60°	19649
65°	12769
70°	5464
75°	2669
80°	1190
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.3	6.7
10°-20°	1250.1	18.5
20°-30°	1862.0	27.6
30°-40°	1729.3	25.6
40°-50°	816.8	12.1
50°-60°	438.8	6.5
60°-70°	176.2	2.6
70°-80°	27.7	0.4
80°-90°	2.7	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°	3561.5	52.7
0°-40°	5290.8	78.3
0°-60°	6546.4	96.9
0°-90°	6753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6753.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4894	
5°	4777	449
15°	4425	1250
25°	4075	1862
35°	2874	1729
45°	996	817
55°	482	439
65°	175	176
75°	22	28
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4893.9
2.5°	4860.3
5°	4777.3
7.5°	4671.8
10°	4573.1
12.5°	4492.3
15°	4425.0
17.5°	4355.4
20°	4279.1
22.5°	4191.6
25°	4074.9
27.5°	3911.1
30°	3684.5
32.5°	3352.4
35°	2874.4
37.5°	2264.1
40°	1678.4
42.5°	1249.9
45°	996.3
47.5°	832.5
50°	702.3
52.5°	585.7
55°	482.4
57.5°	392.7
60°	318.6
62.5°	249.1
65°	175.0
67.5°	103.2
70°	60.6
72.5°	35.9
75°	22.4
77.5°	13.5
80°	6.7
82.5°	4.5
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)