

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: P251005

Luminaire Tested: **LSR8B70D010 EC8B709727 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B709727 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5747.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

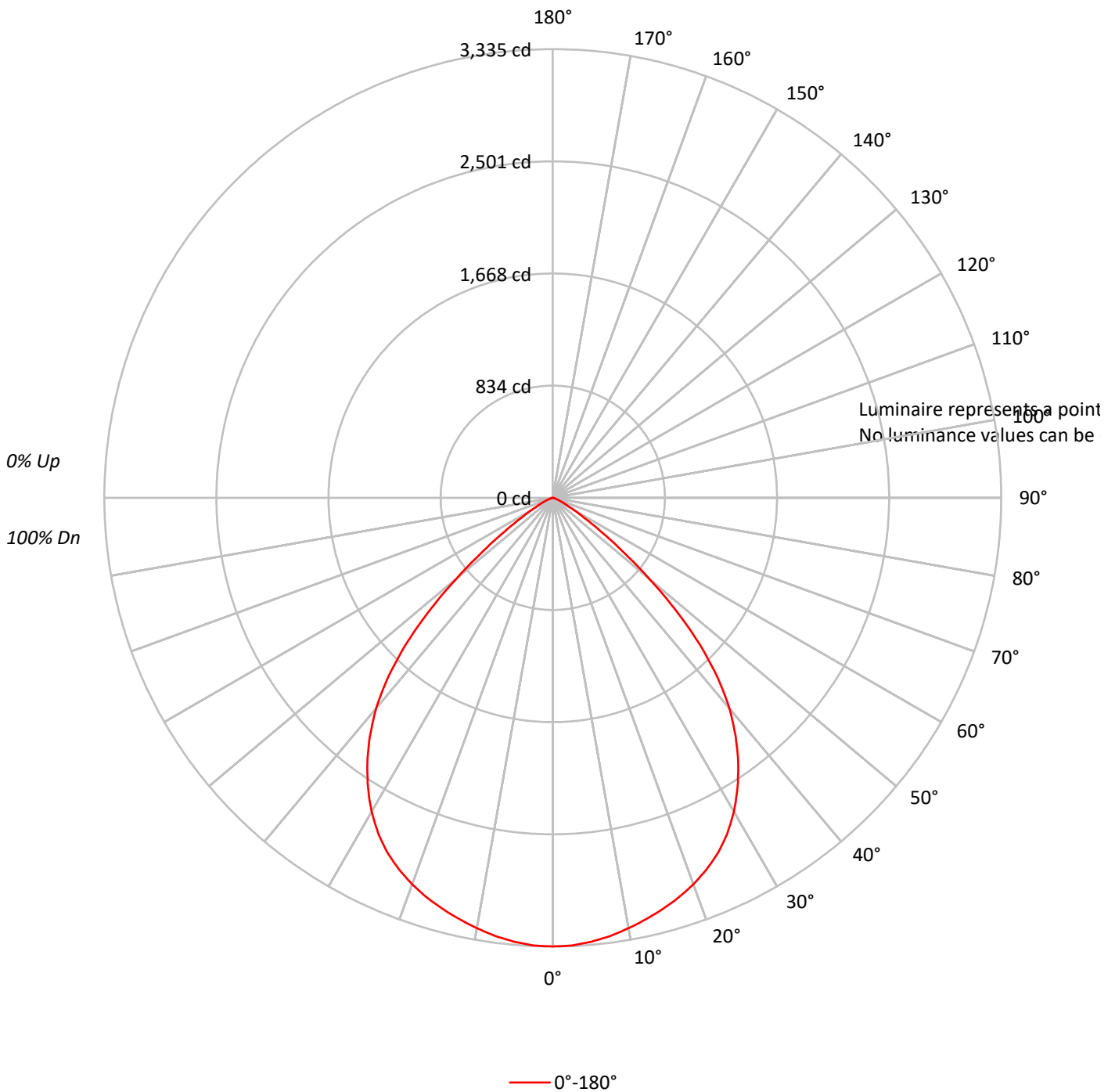
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.1	5.5
10°-20°	893.0	15.5
20°-30°	1335.9	23.2
30°-40°	1494.2	26.0
40°-50°	1172.2	20.4
50°-60°	427.7	7.4
60°-70°	87.2	1.5
70°-80°	18.7	0.3
80°-90°	3.9	0.1
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°	2543.0	44.2
0°-40°	4037.2	70.2
0°-60°	5637.1	98.1
0°-90°	5747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5747.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3335	
5°	3311	314
15°	3164	893
25°	2910	1336
35°	2405	1494
45°	1552	1172
55°	437	428
65°	80	87
75°	17	19
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3335.1
2.5°	3330.1
5°	3311.4
7.5°	3284.3
10°	3248.7
12.5°	3208.0
15°	3164.0
17.5°	3114.8
20°	3057.2
22.5°	2989.4
25°	2909.8
27.5°	2811.5
30°	2694.5
32.5°	2557.3
35°	2404.8
37.5°	2233.6
40°	2043.8
42.5°	1818.4
45°	1552.3
47.5°	1252.4
50°	940.5
52.5°	659.2
55°	437.2
57.5°	279.6
60°	179.6
62.5°	118.6
65°	79.7
67.5°	50.8
70°	32.2
72.5°	22.0
75°	16.9
77.5°	11.9
80°	8.5
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)