

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: P251089

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70850 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8197.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

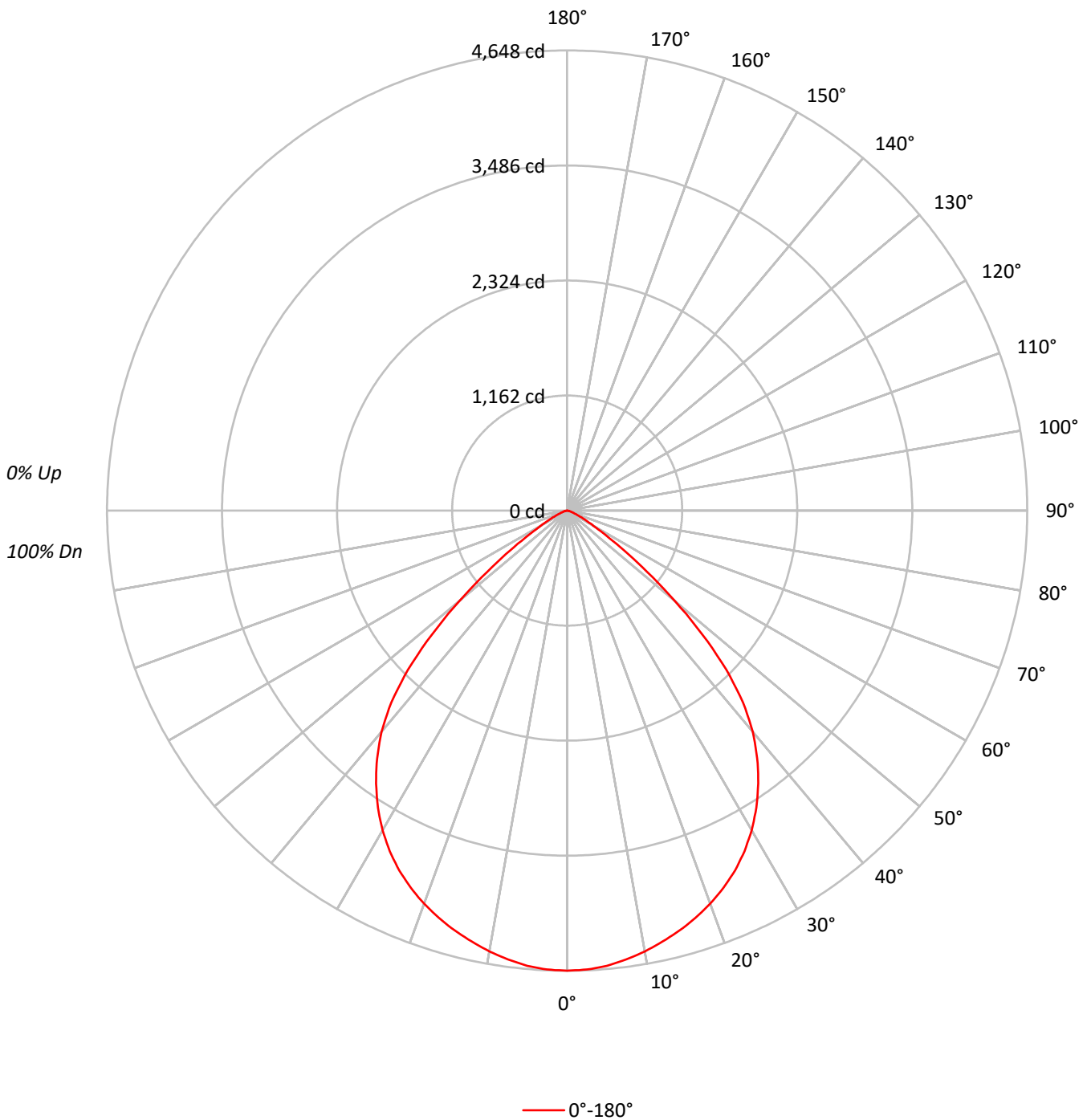
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143315
5°	142869
10°	141587
15°	140185
20°	138678
25°	136488
30°	132738
35°	126692
40°	117413
45°	99132
50°	68011
55°	37515
60°	18853
65°	10616
70°	5779
75°	4110
80°	2628
85°	1734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	5.3
10°-20°	1238.4	15.1
20°-30°	1843.8	22.5
30°-40°	2094.4	25.6
40°-50°	1712.0	20.9
50°-60°	670.9	8.2
60°-70°	156.4	1.9
70°-80°	37.7	0.5
80°-90°	6.0	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°	3519.7	42.9
0°-40°	5614.1	68.5
0°-60°	7997.0	97.6
0°-90°	8197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4648	
5°	4616	438
15°	4391	1238
25°	4012	1844
35°	3366	2094
45°	2273	1712
55°	698	671
65°	146	156
75°	34	38
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4647.6
2.5°	4640.2
5°	4615.5
7.5°	4573.6
10°	4521.8
12.5°	4457.7
15°	4391.2
17.5°	4312.3
20°	4226.0
22.5°	4124.9
25°	4011.5
27.5°	3878.3
30°	3727.9
32.5°	3557.8
35°	3365.5
37.5°	3153.4
40°	2916.8
42.5°	2630.7
45°	2273.2
47.5°	1854.1
50°	1417.7
52.5°	1018.3
55°	697.8
57.5°	456.1
60°	305.7
62.5°	209.6
65°	145.5
67.5°	96.2
70°	64.1
72.5°	44.4
75°	34.5
77.5°	24.7
80°	14.8
82.5°	7.4
85°	4.9
87.5°	2.5
90°	0.0

(END OF REPORT)