

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: P251183

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70850 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8517.1 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

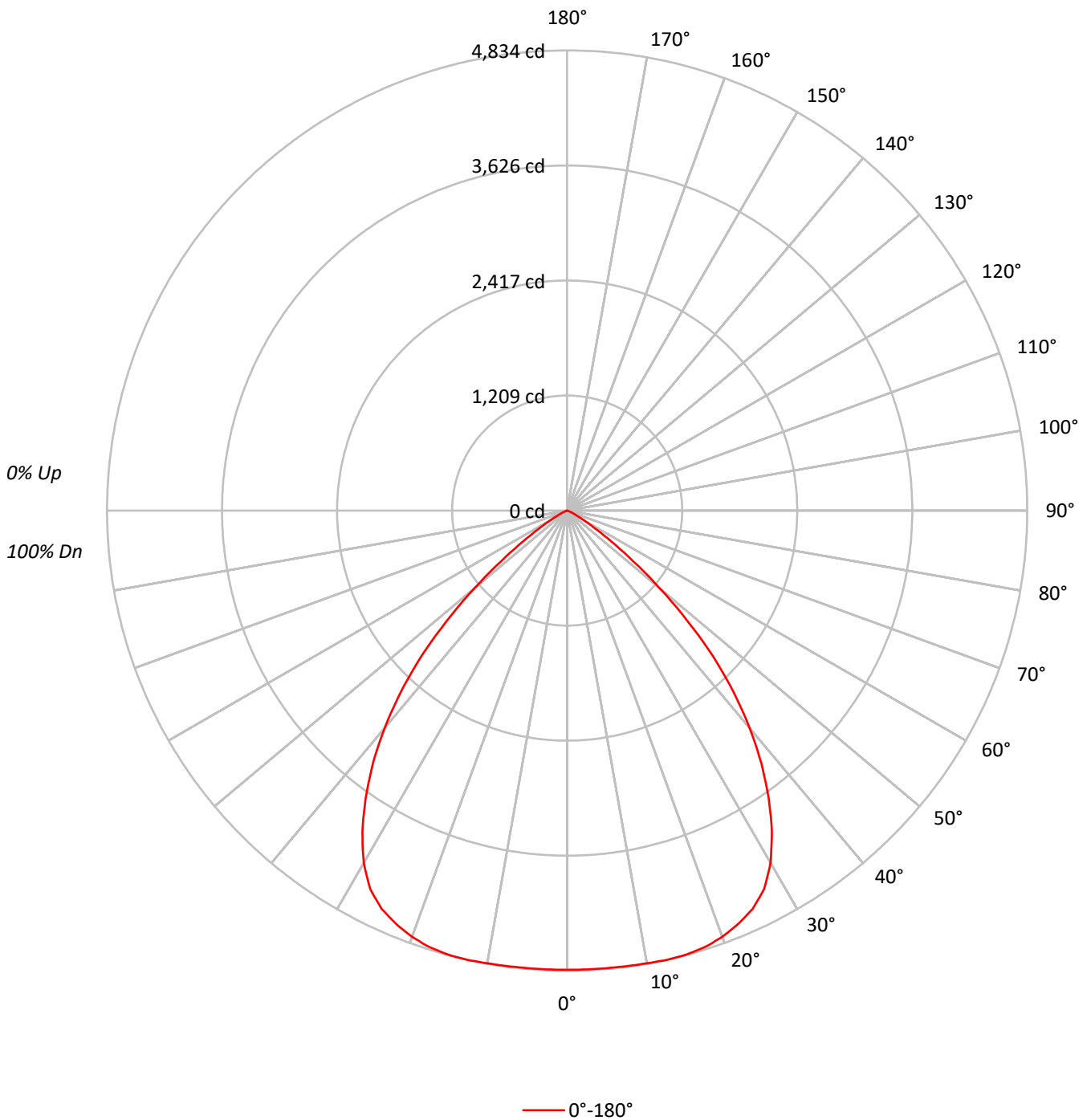
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148757
5°	149326
10°	151209
15°	154165
20°	156365
25°	157008
30°	152197
35°	138915
40°	120166
45°	94601
50°	61021
55°	29951
60°	12316
65°	5399
70°	1560
75°	584
80°	444
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.7	5.4
10°-20°	1364.7	16.0
20°-30°	2112.9	24.8
30°-40°	2289.0	26.9
40°-50°	1647.2	19.3
50°-60°	551.1	6.5
60°-70°	83.3	1.0
70°-80°	7.1	0.1
80°-90°	1.0	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°	3938.3	46.2
0°-40°	6227.3	73.1
0°-60°	8425.6	98.9
0°-90°	8517.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8517.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4824	
5°	4824	461
15°	4829	1365
25°	4615	2113
35°	3690	2289
45°	2169	1647
55°	557	551
65°	74	83
75°	5	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4824.1
2.5°	4824.1
5°	4824.1
7.5°	4826.6
10°	4829.1
12.5°	4834.0
15°	4829.1
17.5°	4809.3
20°	4765.0
22.5°	4698.4
25°	4614.6
27.5°	4481.5
30°	4274.4
32.5°	4003.3
35°	3690.2
37.5°	3352.5
40°	2985.2
42.5°	2590.8
45°	2169.3
47.5°	1713.2
50°	1272.0
52.5°	872.6
55°	557.1
57.5°	332.8
60°	199.7
62.5°	120.8
65°	74.0
67.5°	37.0
70°	17.3
72.5°	7.4
75°	4.9
77.5°	4.9
80°	2.5
82.5°	2.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)