

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: P251301

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70940 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6642.0 lumens
Efficiency: N/A
Efficacy: 87.5 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

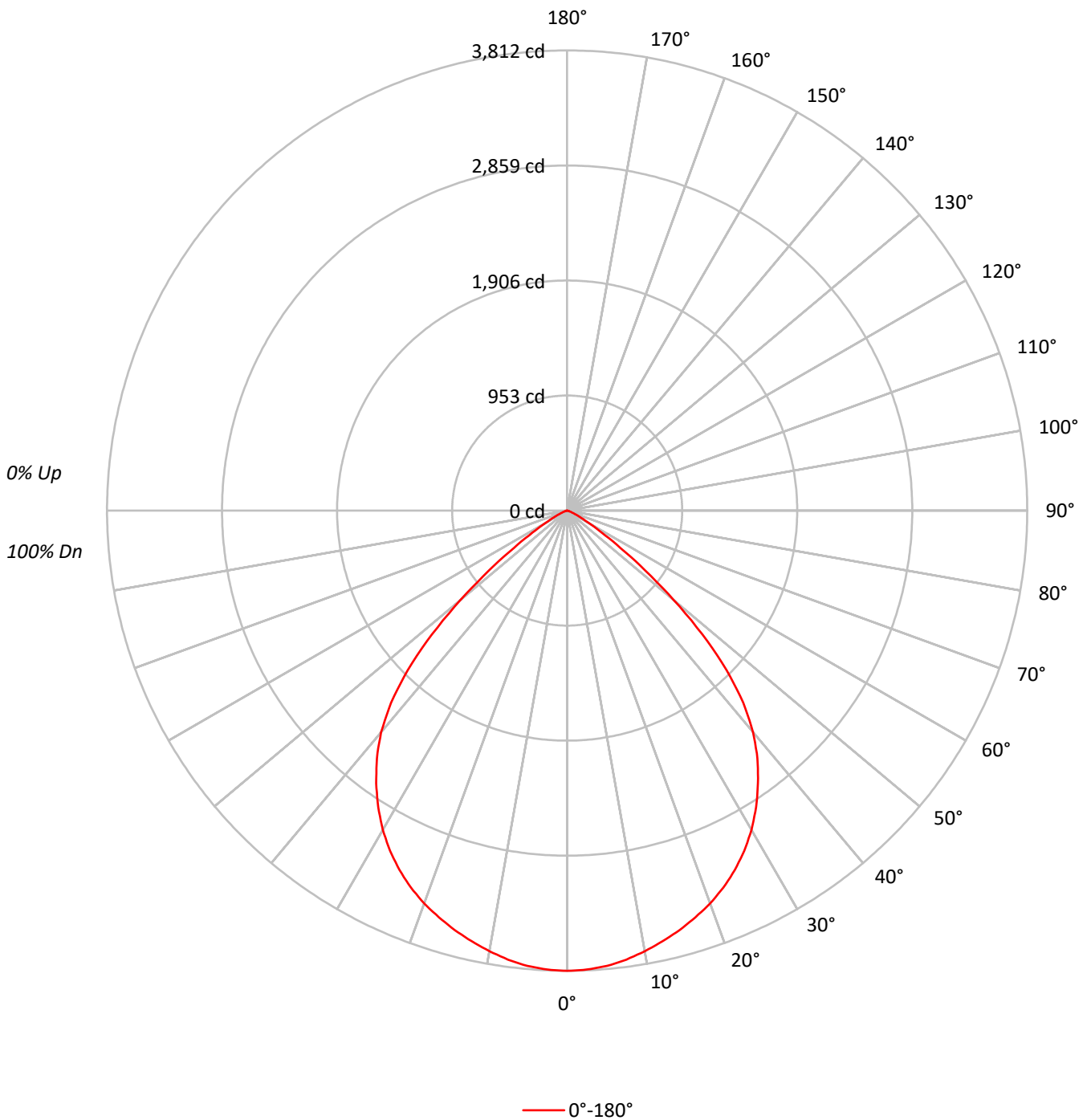
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117563
5°	117208
10°	116052
15°	114860
20°	113656
25°	111796
30°	108739
35°	103785
40°	96497
45°	81475
50°	55317
55°	28897
60°	12964
65°	6326
70°	2542
75°	1549
80°	1154
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.8	5.4
10°-20°	1014.9	15.3
20°-30°	1510.7	22.7
30°-40°	1717.3	25.9
40°-50°	1404.3	21.1
50°-60°	523.4	7.9
60°-70°	95.7	1.4
70°-80°	14.8	0.2
80°-90°	2.1	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°	2884.4	43.4
0°-40°	4601.7	69.3
0°-60°	6529.4	98.3
0°-90°	6642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3812	
5°	3786	359
15°	3598	1015
25°	3286	1511
35°	2757	1717
45°	1868	1404
55°	538	523
65°	87	96
75°	13	15
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3812.5
2.5°	3806.0
5°	3786.5
7.5°	3751.8
10°	3706.3
12.5°	3654.3
15°	3597.9
17.5°	3532.9
20°	3463.5
22.5°	3381.2
25°	3285.8
27.5°	3177.4
30°	3053.9
32.5°	2913.0
35°	2757.0
37.5°	2590.1
40°	2397.2
42.5°	2158.8
45°	1868.3
47.5°	1519.4
50°	1153.1
52.5°	812.8
55°	537.5
57.5°	338.1
60°	210.2
62.5°	134.4
65°	86.7
67.5°	49.9
70°	28.2
72.5°	17.3
75°	13.0
77.5°	8.7
80°	6.5
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)