

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: P244672

Luminaire Tested: **LSR8B40D010 EC8B40830 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244672
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: LSR8B40D010 EC8B40830 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4116.0 lumens
Efficiency: N/A
Efficacy: 100.6 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

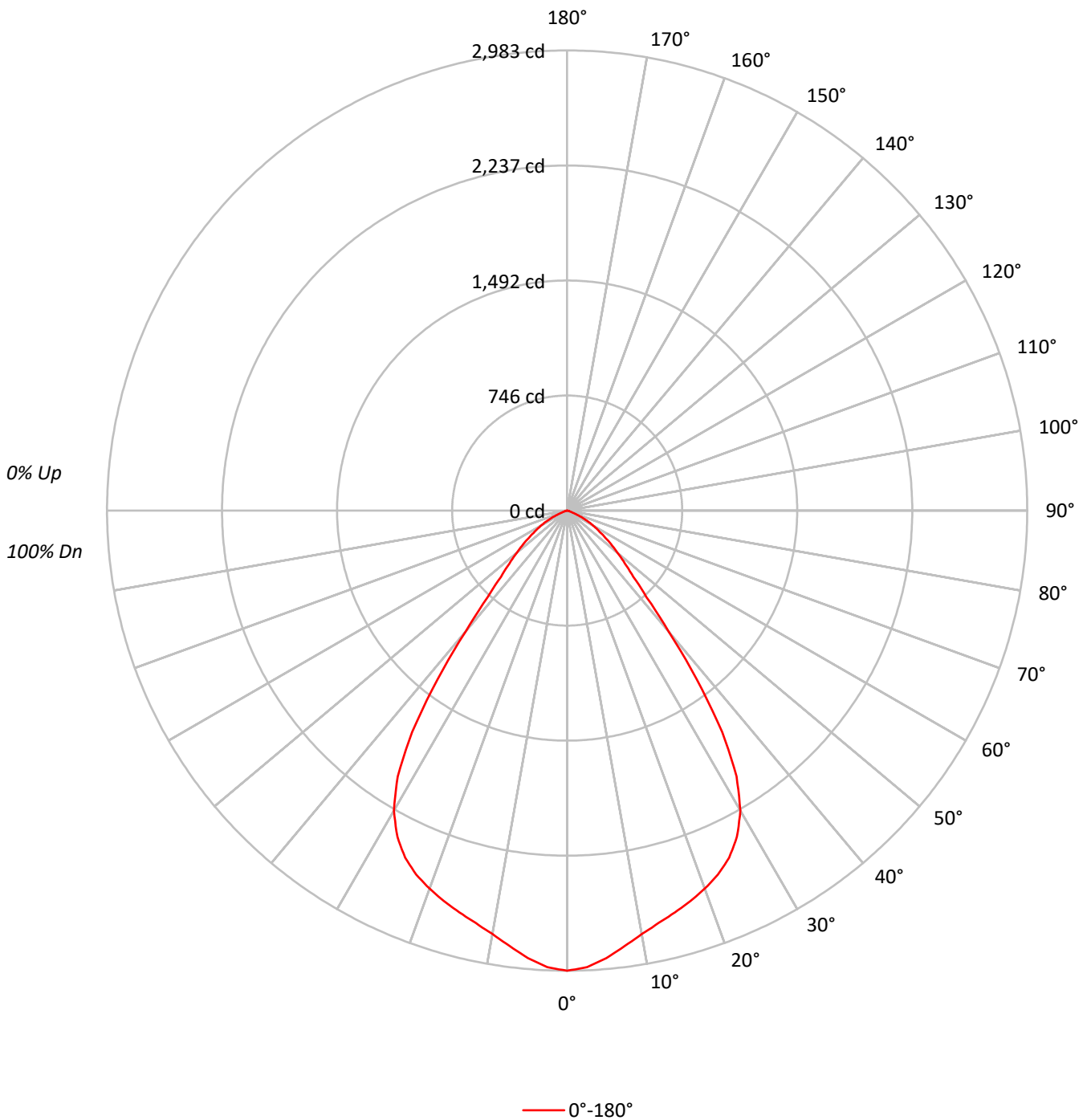
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	91982
5°	90132
10°	87276
15°	86099
20°	85586
25°	84506
30°	79962
35°	65953
40°	41180
45°	26479
50°	20537
55°	15806
60°	11977
65°	7785
70°	3327
75°	1632
80°	728
85°	495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	6.7
10°-20°	762.0	18.5
20°-30°	1134.9	27.6
30°-40°	1054.0	25.6
40°-50°	497.8	12.1
50°-60°	267.5	6.5
60°-70°	107.4	2.6
70°-80°	16.9	0.4
80°-90°	1.7	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°	2170.8	52.7
0°-40°	3224.8	78.3
0°-60°	3990.0	96.9
0°-90°	4116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2983	
5°	2912	274
15°	2697	762
25°	2484	1135
35°	1752	1054
45°	607	498
55°	294	267
65°	107	107
75°	14	17
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2982.9
2.5°	2962.4
5°	2911.8
7.5°	2847.5
10°	2787.3
12.5°	2738.1
15°	2697.0
17.5°	2654.6
20°	2608.1
22.5°	2554.8
25°	2483.7
27.5°	2383.9
30°	2245.7
32.5°	2043.3
35°	1752.0
37.5°	1380.0
40°	1023.0
42.5°	761.8
45°	607.2
47.5°	507.4
50°	428.1
52.5°	357.0
55°	294.0
57.5°	239.3
60°	194.2
62.5°	151.8
65°	106.7
67.5°	62.9
70°	36.9
72.5°	21.9
75°	13.7
77.5°	8.2
80°	4.1
82.5°	2.7
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)